SERVICE MANUAL

PARTS LIST

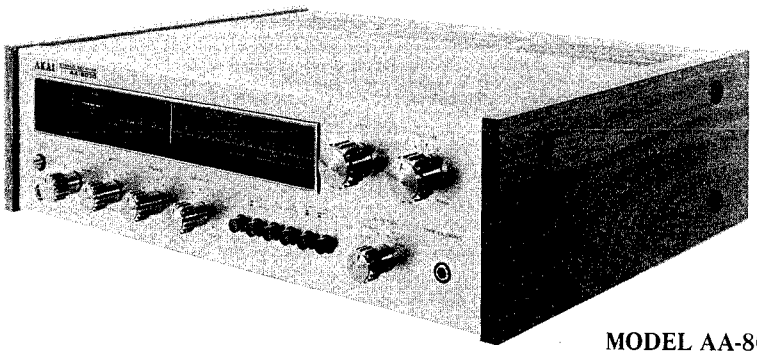
PRIDE IN QUALITY

AKAI STEREO RECEIVER

MODEL **AA-8080**

ALSO APPLICABLE TO MODEL AA-8030, AA-8080L & AA-8030L

MODEL AA-8080



MODEL AA-8030

STEREO RECEIVER

MODEL AA-8080

ALSO APPLICABLE TO MODEL
AA-8030, AA-8080L & AA-8030L

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SECTION 1

SERVICE MANUAL

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I. SPECIFICATIONS

MODEL: AA-8080, AA-8080L

An asterisk next to a figure indicates the minimum guaranteed performance.

§ AMPLIFIER SECTION

MUSIC OUTPUT POWER		130W (65W + 65W) at 4Ω 120W (60W + 60W) at 8Ω
CONTINUOUS OUTPUT POWER		90W (45W + 45W) at 4Ω 80W (40W + 40W) at 8Ω
*MAXIMUM OUTPUT POWER		
when operating 1 channel		36W at 1 kHz/8Ω H.D. 0.5%
when operating both channels		60W at 1 kHz/8Ω H.D. 0.5%
FREQUENCY RESPONSE	MIC	100 to 10,000 Hz −3.5 ± 2 dB
	AUX	10 to 50,000 Hz *20 to 20,000 Hz ± 1.5 dB (TONE FLAT)
PHONO EQUALIZER CHARACTERISTIC		13.1 ± 1.5 dB at 100 Hz −13.75 ± 1.5 dB at 10,000 Hz
POWER BAND WIDTH		5 to 50,000 Hz at 8Ω *20 to 20,000 Hz at 8Ω H.D. 0.5%
HARMONIC DISTORTION		Less than 0.03% at 8Ω 20W *Less than 0.1% at 8Ω 30W
INPUT SENSITIVITY	PHONO	3 mV Impedance: 50 kΩ
	MIC	2.5 mV Impedance: 50 kΩ
	AUX	160 mV Impedance: 50 kΩ
	TAPE	160 mV Impedance: 50 kΩ
SIGNAL TO NOISE RATIO	PHONO	Better than 65 dB *Better than 60 dB
	MIC	Better than 58 dB
	AUX	Better than 80 dB *Better than 73 dB
	TAPE	Better than 73 dB
HUM AND NOISE		Less than 1 mV *Less than 1.5 mV at 8Ω
TONE CONTROL	BASS	10 ± 2 dB, −10 ± 2 dB at 100 Hz
	TREBLE	10 ± 2 dB, −10 ± 2 dB at 10,000 Hz
LOUDNESS CONTROL		8 ± 1.5 dB at 100 Hz 5 ± 1.5 dB at 10,000 Hz
FILTER	Low Cut Filter	−4.5 dB *−8 ± 1.5 dB at 50 Hz
	High Cut Filter	−5.5 dB *−6 ± 1.5 dB at 10,000 Hz
CHANNEL SEPARATION (AUX)		Better than 65 dB *Better than 45 dB at 8Ω 1 kHz
L-R DEVIATION		1.5 dB at volume control maximum 3 dB at volume control center

§ FM TUNER SECTION

FREQUENCY RANGE		87.5 to 108.5 MHz
DIAL TRACKING ERROR		90 MHz ± 250 kHz 98 MHz ± 300 kHz 106 MHz ± 250 kHz
SENSITIVITY		2 μV *3.2 μV I.H.F.
IMAGE REJECTION RATIO		Better than 85 dB at 98 MHz *Better than 75 dB at 98 MHz
IF REJECTION RATIO		Better than 95 dB at 98 MHz *Better than 85 dB at 98 MHz
SPURIOUS RADIATION		Within UMI Specifications
LIMITING SENSITIVITY		8 dB at 98 MHz, 2.5 μV input
SELECTIVITY		Better than 65 dB *Better than 55 dB at 98 MHz
CAPTURE RATIO		Less than 2 dB *Less than 3.5 dB at 98 MHz
HARMONIC DISTORTION		
	Monaural (400 Hz)	Less than 0.3% *Less than 0.6% at 98 MHz 60 dB input
	Stereo (1,000 Hz)	Less than 0.6% *Less than 1.2% at 98 MHz 60 dB input
SIGNAL TO NOISE RATIO		Better than 68 dB *Better than 60 dB at 98 MHz 60 dB input

MPX. SEPARATION	(1,000 Hz)	Better than 38 dB *Better than 33 dB at 98 MHz 60 dB input
MUTING SENSITIVITY		20 ± 6 dB at 98 MHz
CARRIER LEAK		Less than 45 dB at 60 dB input
SCA INTERFERENCE RATIO		45 dB at 98 MHz
RECORDING OUTPUT	PIN	1V ± 2 dB
	DIN	200 mV ± 2 dB
RECORDING OUTPUT L-R DEVIATION		Within 1.2 dB

§ AM TUNER SECTION

FREQUENCY RANGE	AM, MW	525 to 1,625 kHz ± 2%
	LW	145 to 355 kHz ± 2%
SENSITIVITY	AM, MW	320 μV I.H.F.
	LW	800 μV I.H.F.
IMAGE REJECTION RATIO	AM	Better than 48 dB *Better than 35 dB at 1,400 kHz
	MW	Better than 48 dB *Better than 32 dB at 1,400 kHz
	LW	Better than 30 dB *Better than 20 dB at 160 kHz
IF REJECTION RATIO	AM	Better than 40 dB *Better than 35 dB at 600 kHz
	MW	Better than 40 dB
	LW	Better than 50 dB *Better than 40 dB at 340 kHz
SELECTIVITY	AM, MW	Better than 25 dB *Better than 20 dB at 1,000 kHz
	LW	*Better than 20 dB at 240 kHz
AGC CHARACTERISTIC		Better than 40 dB at 1,000 kHz
HARMONIC DISTORTION	AM, MW	Less than 1% *Less than 2% at 1,000 kHz
	LW	*Less than 3% at 240 kHz
SIGNAL TO NOISE RATIO	AM	Better than 45 dB *Better than 40 dB at 1,000 kHz
	MW	Better than 45 dB *Better than 38 dB at 1,000 kHz
	LW	Better than 32 dB at 240 kHz

F.E.T.	2SK41 . . . 2		
TRANSISTORS	2SA666A . . . 4	2SC871 . . . 2	2SC1211 . . . 1
	2SC693 . . . 6	2SC930D . . . 4	2SC945 . . . 6
	2SC1318 (A) . . . 2	2SC710 (C) (D) . . . 5	2SC828 . . . 4
	CDC8000 . . . 2	2SC 711 . . . 4	2SC1030 . . . 4
	TSC8002 . . . 4	2SC1047 . . . 3	TSC9002 . . . 2
I.C.	TA7061AP . . . 1		
DIODES	1N34A . . . 8	1S1212 . . . 1	V06C . . . 3
	1N60 . . . 7	1S2139 . . . 1	Z-1-12 . . . 1
	1S188 . . . 16	V03C . . . 4	
THERMISTERS	TH6014 . . . 2		
POWER SUPPLY	100 to 240V A.C., 50/60 Hz (Universal Models) 120V A.C., 60 Hz (CUL Models)		
POWER CONSUMPTION	200 W		
DIMENSIONS	464 (W) x 146 (H) x 380 (D) mm (18.3" x 5.8" x 15")		
WEIGHT	12 kg (26.4 lbs.)		

NOTE: Specifications subject to change without notice.

II. SPECIFICATIONS

MODEL: AA-8030, AA-8030L

An asterisk next to a figure indicates the minimum guaranteed performance.

§ AMPLIFIER SECTION

MUSIC OUTPUT POWER		80W (40W + 40W) at 4Ω 70W (35W + 35W) at 8Ω
CONTINUOUS OUTPUT POWER		60W (30W + 30W) at 4Ω 50W (25W + 25W) at 8Ω
*MAXIMUM OUTPUT POWER		
when operating 1 channel		20W at 1 kHz/8Ω H.D. 0.7%
when operating both channels		18W at 1 kHz/8Ω H.D. 0.7%
FREQUENCY RESPONSE	AUX	15 to 40,000 Hz *20 to 20,000 Hz ± 1.5 dB (TONE FLAT)
PHONO EQUALIZER CHARACTERISTIC		13.15 ± 1.5 dB at 100 Hz –13.75 ± 1.5 dB at 10,000 Hz
POWER BAND WIDTH		10 to 50,000 Hz at 8Ω *20 to 30,000 Hz at 8Ω H.D. 0.7%
HARMONIC DISTORTION		Less than 0.05% at 8Ω *Less than 0.1% at 8Ω 10W
INPUT SENSITIVITY	PHONO	3 mV Impedance: 50 kΩ
	AUX	150 mV Impedance: 50 kΩ
	TAPE	150 mV Impedance: 50 kΩ
SIGNAL TO NOISE RATIO	PHONO	Better than 60 dB *Better than 55 dB
	AUX	Better than 75 dB
	TAPE	Better than 75 dB
HUM AND NOISE		Less than 1 mV *Less than 1.5 mV at 8Ω
TONE CONTROL	BASS	10 ± 2 dB, –10 ± 2 dB at 100 Hz
	TREBLE	10 ± 2 dB, –10 ± 2 dB at 10,000 Hz
LOUDNESS CONTROL		8 ± 1.5 dB at 100 Hz 6 ± 1.5 dB at 10,000 Hz
HIGH CUT FILTER		–8 dB at 10,000 Hz *–7 ± 1.5 dB at 10,000 Hz
CHANNEL SEPARATION		Better than 50 dB *Better than 45 dB at 8Ω 1 kHz
L-R DEVIATION		1.5 dB at volume control maximum 3 dB at volume control center

§ FM TUNER SECTION

FREQUENCY RANGE	87.5 to 108.5 MHz
DIAL TRACKING ERROR	90 MHz ± 250 kHz 98 MHz ± 300 kHz 106 MHz ± 250 kHz
SENSITIVITY	2.5 μV *3.1 μV I.H.F.
IMAGE REJECTION RATIO	Better than 60 dB at 98 MHz *Better than 50 dB at 98 MHz
IF REJECTION RATIO	Better than 90 dB at 98 MHz *Better than 80 dB at 90 MHz
SPURIOUS RADIATION	Within UMI Specifications
LIMITING SENSITIVITY	8 dB at 98 MHz, 2.5 μV input
SELECTIVITY	Better than 65 dB *Better than 55 dB at 98 MHz
CAPTURE RATIO	Less than 2 dB *Less than 3.5 dB
HARMONIC DISTORTION	
Monaural (400 Hz)	Less than 0.5% *Less than 0.6% at 98 MHz 60 dB input
Stereo (1,000 Hz)	Less than 0.8% *Less than 1.2% at 98 MHz 60 dB input
SIGNAL TO NOISE RATIO	Better than 60 dB at 98 MHz 60 dB input
MPX. SEPARATION (1,000 Hz)	Better than 35 dB *Better than 33 dB at 98 MHz 60 dB input (75 μS) *Better than 30 dB at 98 MHz 60 dB input (50 μS)

MUTING SENSITIVITY		20 ± 6 dB at 98 MHz
CARRIER LEAK	Model AA-8030	Less than 40 dB at 98 MHz, 60 dB input
	Model AA-8030L	Less than 48 dB at 98 MHz, 60 dB input (75 μS)
		Less than 45 dB at 98 MHz, 60 dB input (50 μS)
SCA INTERFERENCE RATIO		45 dB at 98 MHz
RECORDING OUTPUT	PIN	1V ± 2 dB
	DIN	200 mV ± 2 dB
RECORDING OUTPUT L-R DEVIATION		Within 1 dB

§ AM TUNER SECTION

FREQUENCY RANGE	AM, MW	525 to 1,625 kHz ± 2%
	LW	145 to 355 kHz ± 2%
SENSITIVITY	AM, MW	320 μV I.H.F.
	LW	800 μV I.H.F.
IMAGE REJECTION RATIO	AM	Better than 50 dB *Better than 35 dB at 1,400 kHz
	MW	Better than 50 dB *Better than 32 dB at 1,400 kHz
	LW	Better than 30 dB *Better than 20 dB at 160 kHz
IF REJECTION RATIO	AM	Better than 40 dB *Better than 30 dB at 600 kHz
	MW	Better than 40 dB
	LW	Better than 40 dB at 340 kHz
SELECTIVITY	AM, MW	Better than 20 dB at 1,000 kHz
	LW	Better than 20 dB at 240 kHz
AGC CHARACTERISTIC		Better than 40 dB at 1,000 kHz
HARMONIC DISTORTION	AM, MW	Less than 1% *Less than 2% at 1,000 kHz
	LW	Less than 3% at 240 kHz
SIGNAL TO NOISE RATIO	AM	Better than 40 dB at 1,000 kHz
	MW	Better than 40 dB *Better than 38 dB at 1,000 kHz
	LW	Better than 32 dB at 240 kHz

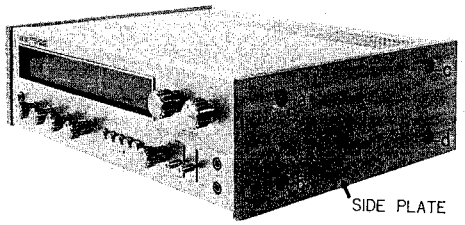
F.E.T.	2SK19GR . . . 1		
TRANSISTORS	2SA666 (A) . . . 2	2SC930 (D) . . . 4	TSC8002 . . . 2
	2SC693 (F) . . . 4	2SC945 (P) . . . 2	TSC9002 (C) . . . 2
	2SC710 (C) (D) . . . 5	2SC1047 (C) . . . 3	
	2SC711 (E) (F) . . . 4	2SC1318 (Q) . . . 2	
	2SC828 (A) (Q) (R) . . . 7	2SD313 . . . 4	
I.C.	TA7061AP . . . 1		
DIODES	1N34A . . . 8	1S351 . . . 1	Z-1-12 . . . 1
	1S1212 . . . 1	1S188 . . . 16	V03C . . . 4
THERMISTERS	TH6014 . . . 2		
POWER SUPPLY	100 to 240V A.C., 50/60 Hz (Universal Models)		
	120V A.C., 60 Hz (CUL Models)		
	220V A.C., 50 Hz (CEE Models)		
POWER CONSUMPTION	150W		
DIMENSIONS	464 (W) x 146 (H) x 380 (D) mm (18.3" x 5.8" x 15")		
WEIGHT	11.6 kg (25.5 lbs.)		

NOTE: Specifications subject to change without notice.

III. DISMANTLING OF UNIT

In case of trouble, etc. necessitating disassembly, please disassemble in the order shown in photographs. Reassemble in reverse order.

1



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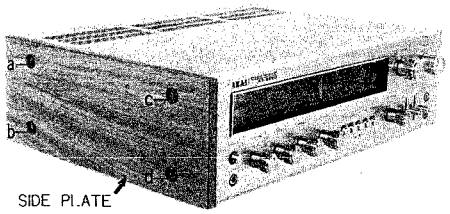

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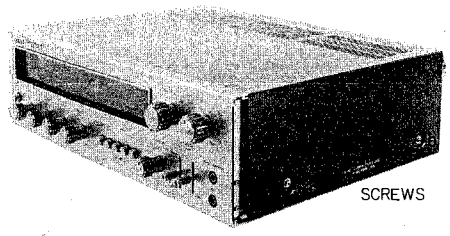

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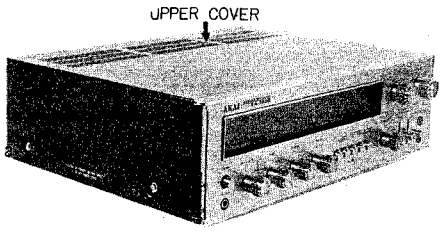

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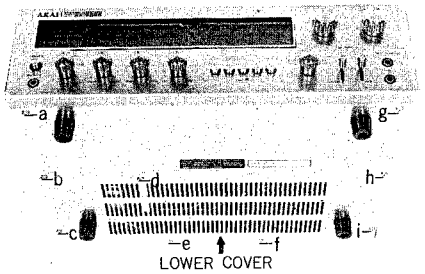

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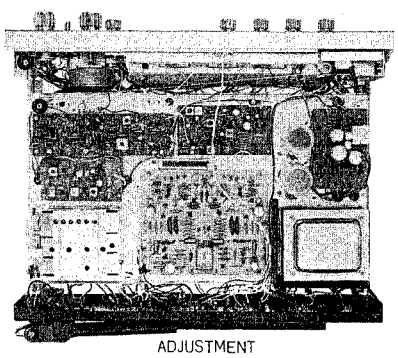


IV. ARRANGEMENT OF MAIN PARTS

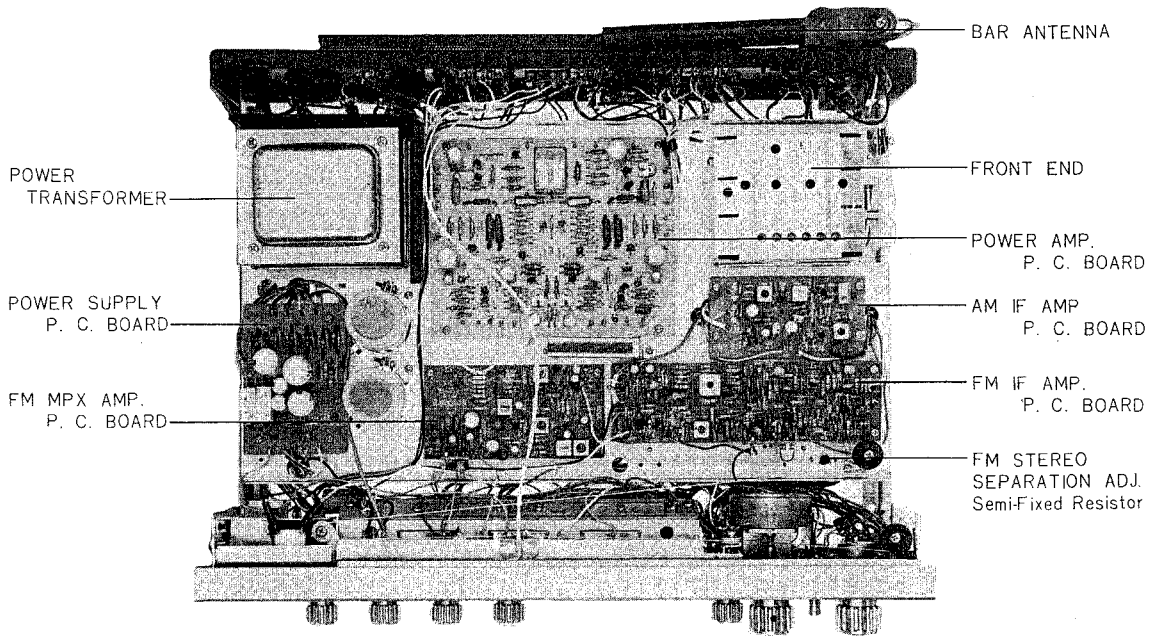

BAR ANTENNA
FRONT END
POWER AMP. P. C. BOARD
AM IF AMP P. C. BOARD
FM IF AMP. P. C. BOARD
FM STEREO SEPARATION ADJ. Semi-Fixed Resistor
POWER TRANSFORMER
POWER SUPPLY P. C. BOARD
FM MPX AMP. P. C. BOARD

Fig. 1 MODEL AA-8080

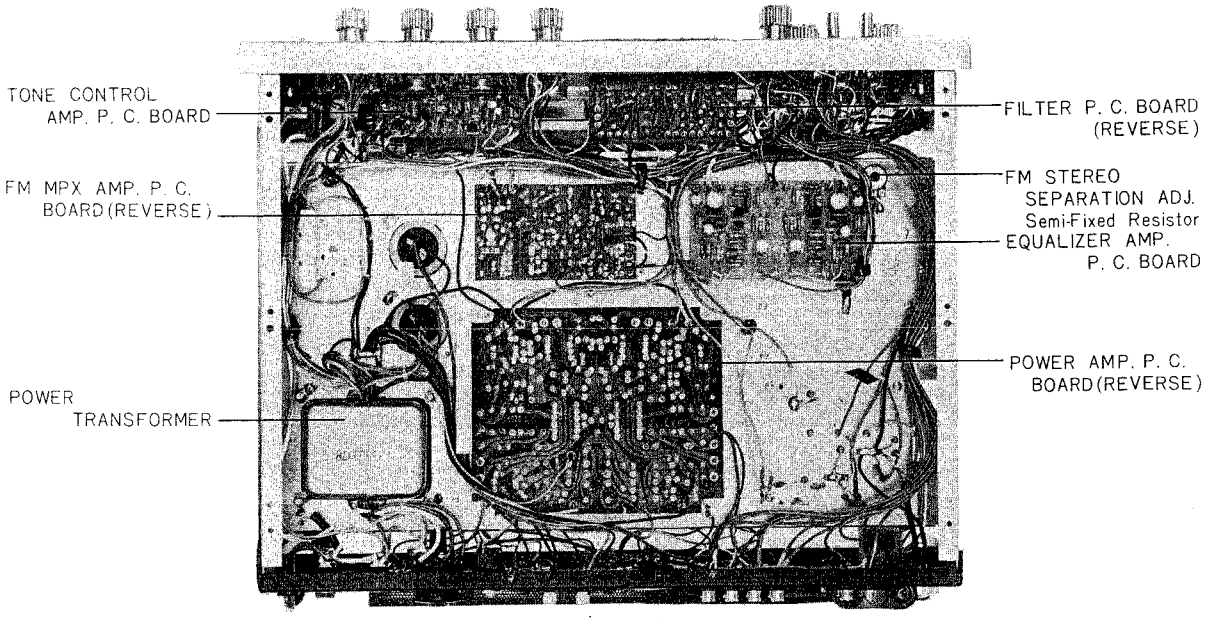

FILTER P. C. BOARD (REVERSE)
FM STEREO SEPARATION ADJ. Semi-Fixed Resistor
EQUALIZER AMP. P. C. BOARD
POWER AMP. P. C. BOARD (REVERSE)
TONE CONTROL AMP. P. C. BOARD
FM MPX AMP. P. C. BOARD (REVERSE)
POWER TRANSFORMER

Fig. 2 MODEL AA-8080

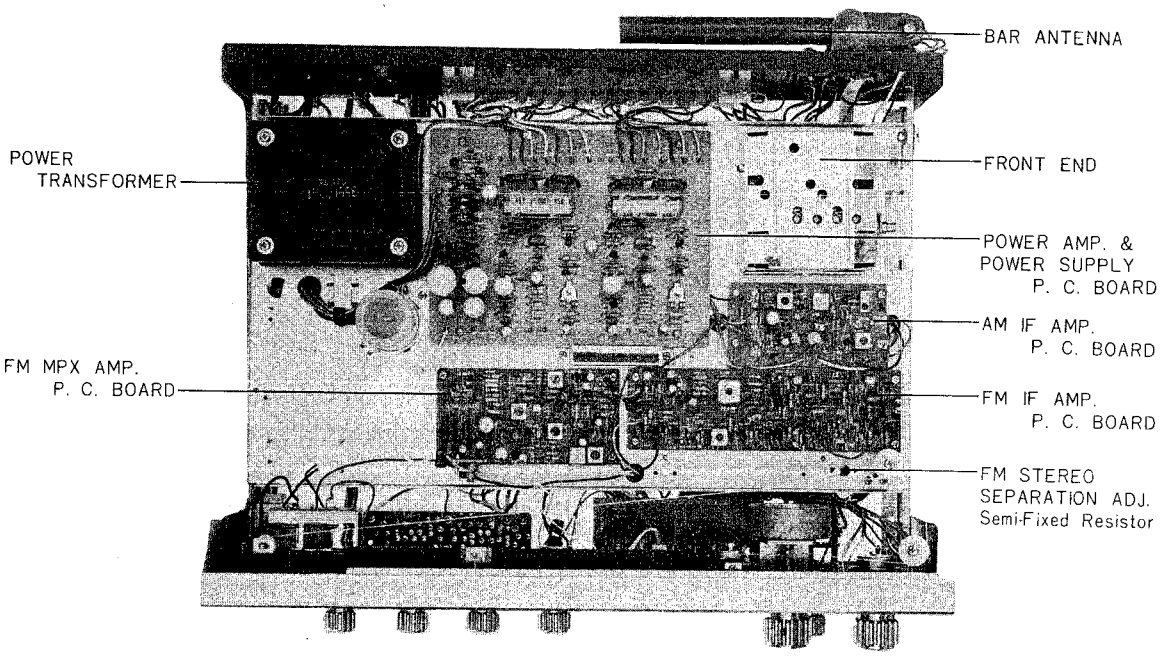

BAR ANTENNA
POWER TRANSFORMER
FRONT END
POWER AMP. & POWER SUPPLY P. C. BOARD
AM IF AMP. P. C. BOARD
FM MPX AMP. P. C. BOARD
FM IF AMP. P. C. BOARD
FM STEREO SEPARATION ADJ. Semi-Fixed Resistor

Fig. 3 MODEL AA-8030

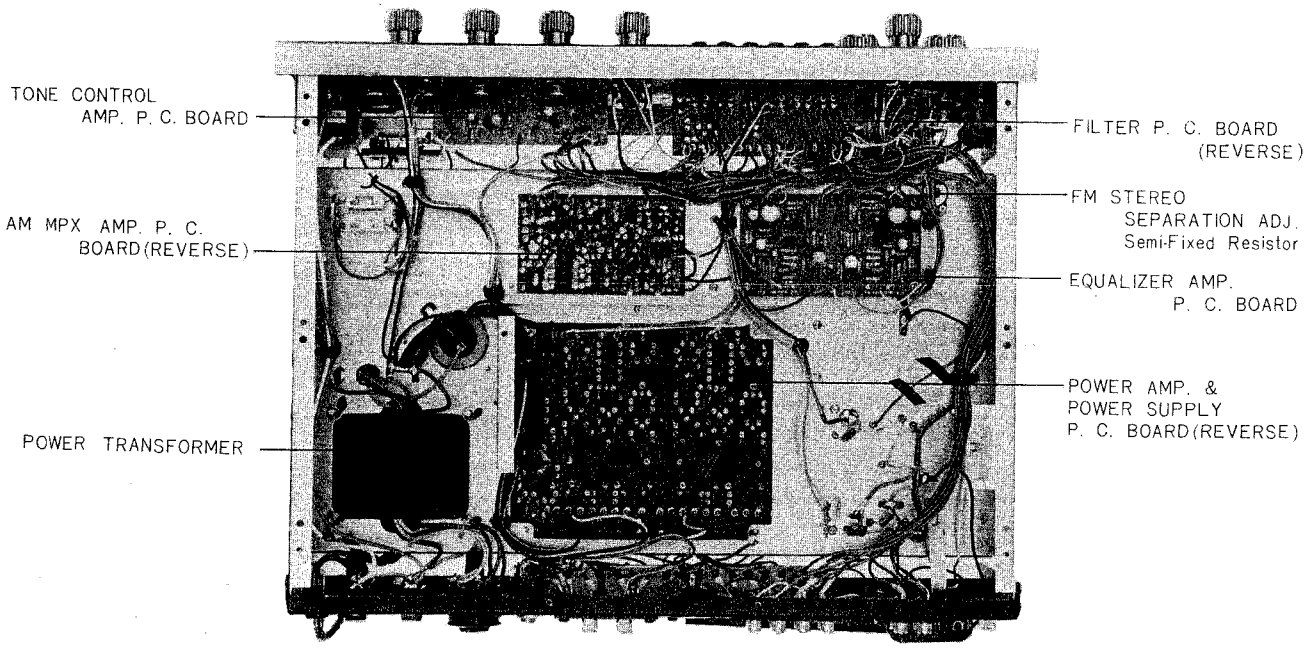

TONE CONTROL AMP. P. C. BOARD
FILTER P. C. BOARD (REVERSE)
FM STEREO SEPARATION ADJ. Semi-Fixed Resistor
AM MPX AMP. P. C. BOARD (REVERSE)
EQUALIZER AMP. P. C. BOARD
POWER AMP. & POWER SUPPLY P. C. BOARD (REVERSE)
POWER TRANSFORMER

Fig. 4 MODEL AA-8030

V. FM TUNER ADJUSTMENTS

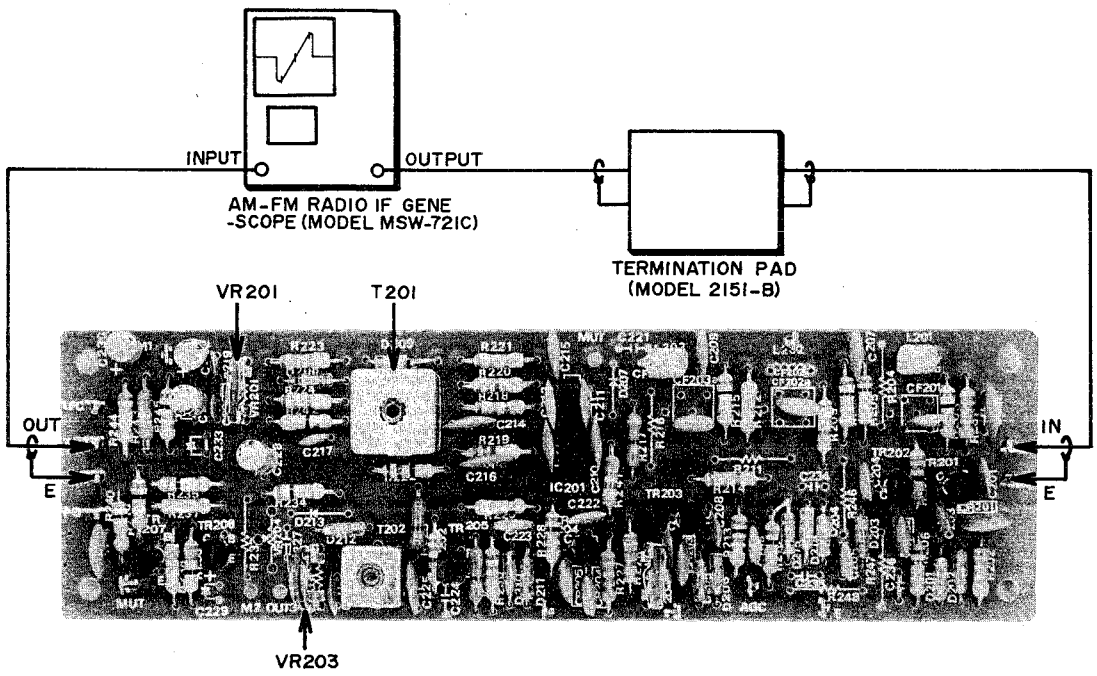


Fig. 5a FM IF AMP. P.C. BOARD 2014 (Face Side)

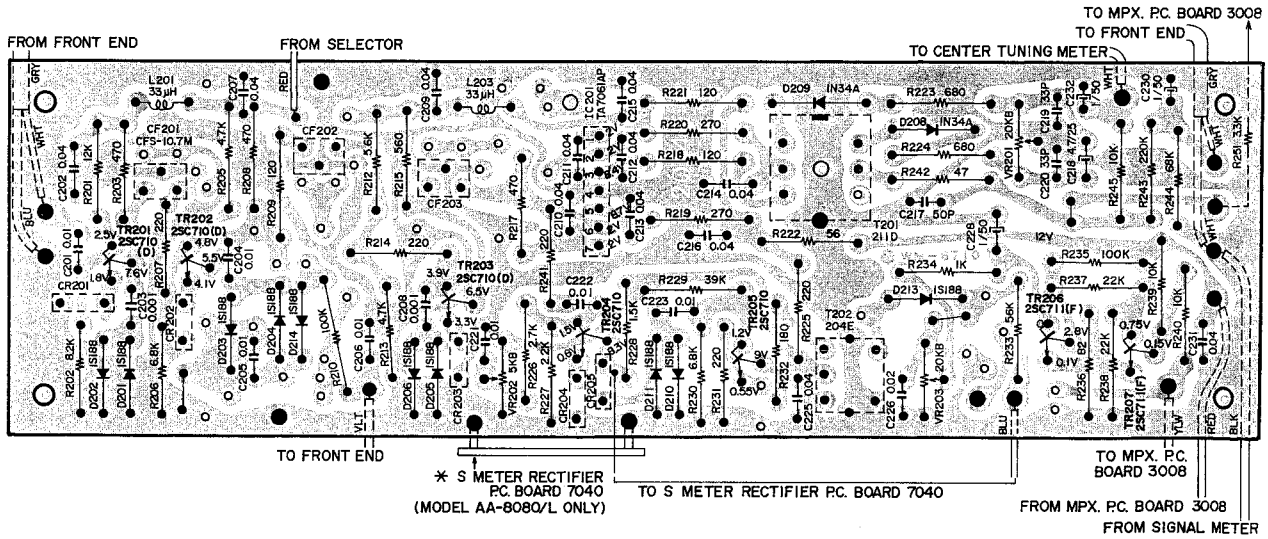


Fig. 5b FM IF AMP. P.C. BOARD 2014 (Reverse Side)

1. FM IF CIRCUIT ADJUSTMENT

1) As shown in Fig. 5, connect the lead wires from an AM-FM Radio IF Genescope to the FM IF Amp. P.C. Board IN and OUT terminals.
2) Set AM-FM Radio IF Genescope to FM mode and adjust V Gain to obtain a 15 mm amplitude of the 0.3V p-p calibration voltage on the Genescope screen. Set Genescope Attenuator to 70 dB.
3) Set receiver Selector to FM, and set the tuning indicator needle to the right end of the dial. At this time, confirm that there is no noise at the S curve.
4) Manually center FM IF Amp. P.C. Board semi-fixed resistors VR-201 (20 kB) and VR-203 (5 kB).
5) Adjust the upper and lower cores of FM IF Amp. P.C. Board coil T201 to point at which the amplitude of the S curve is maximum and optimum rectilinear characteristics are obtained.
6) In making this adjustment, the marker on the Screen will vary slightly depending upon the rank of the ceramic filter, but it is satisfactory if S curve characteristics as shown in Fig. 6 can be obtained.

NOTE: The upper and lower parts of the S curve waveform must be symmetrical. (Refer to Fig. 7)

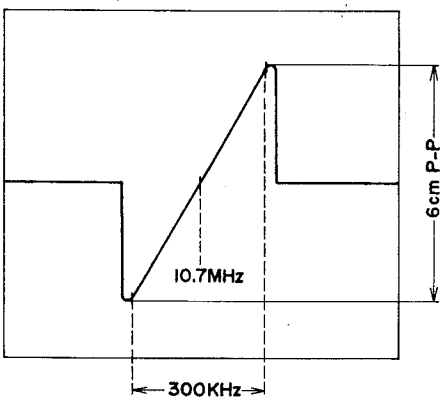


Fig. 6 S CURVE CHARACTERISTIC

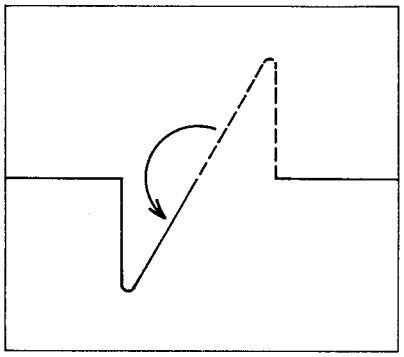


Fig. 7

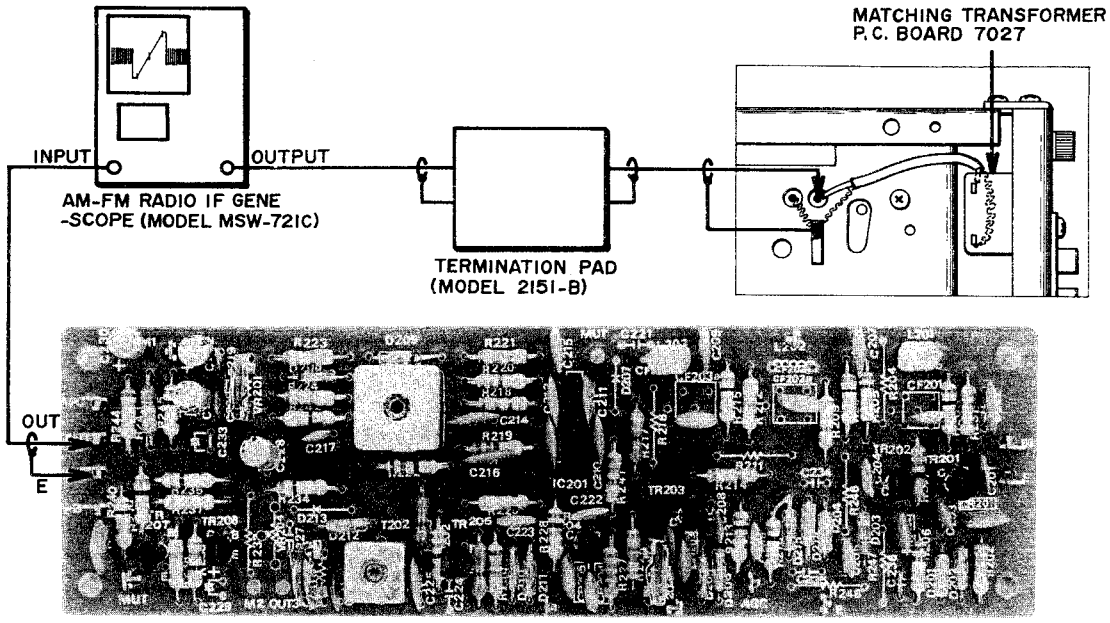


Fig. 8 FM IF AMP. P.C. BOARD 2014

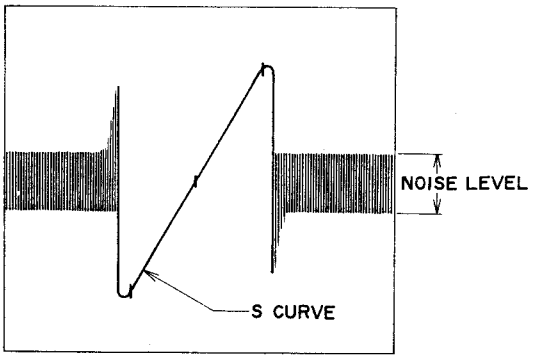


Fig. 9

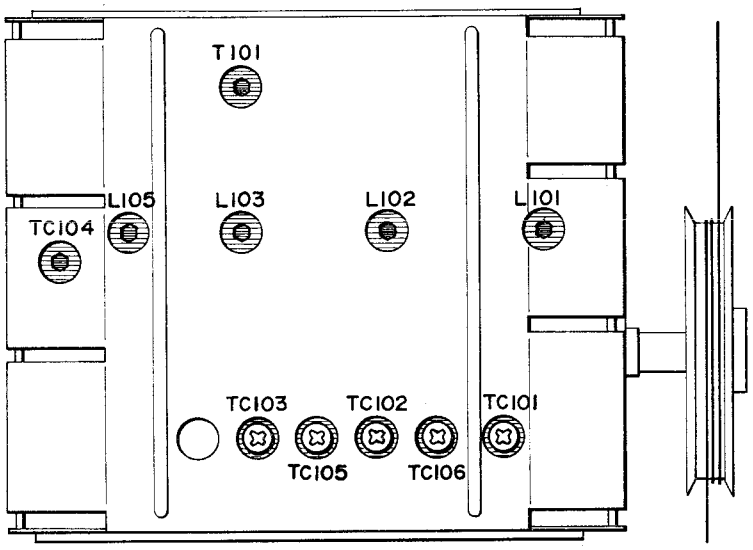


Fig. 10 FRONT END MODEL AA-8080, AA-8080L

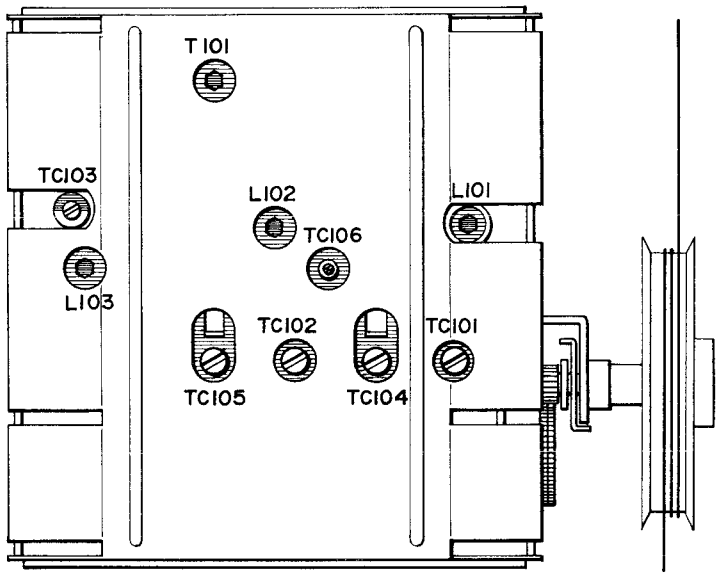
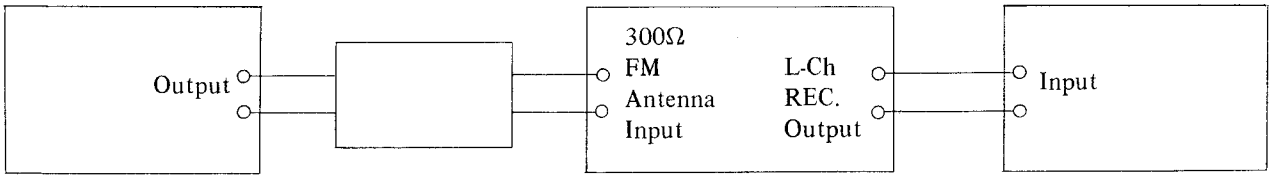


Fig. 11 FRONT END MODEL AA-8030, AA-8030L

2. FRONT END AND FM IF MATCHING ADJUSTMENT

1) Connect the lead wires of an AM-FM Radio IF Genescope to the antenna terminal of the Front End and FM IF Amp. P.C. Board output terminal as shown in Fig. 8.
2) Adjust the V Gain until the 0.3V p-p calibration voltage displays a 15 mm amplitude on the genescope screen and set the genescope attenuator to 100 dB.
3) Set receiver selector to FM and set the tuning indicator to the right end of the dial.
4) Adjust the upper core of Front End (Figs. 10, 11) IF coil T101 to obtain maximum S curve amplitude, and adjust the lower core of coil T101 to obtain maximum noise level.
5) Check the final matching adjustment with "Sensitivity Adjustment" procedure.



FM Signal Generator (Model MSG-278G) | Termination Pad (Model MR-200) | Receiver | Distortion Meter (Model 750C)

Fig. 12

3. RECEPTION BAND WIDTH ADJUSTMENT (Tracking Adjustment)

1) Connect the various measuring instruments shown in Fig. 12.
2) Set the FM Signal Generator oscillation frequency to 90 MHz (400 Hz, 75% internal modulation) and set attenuator to 40 dB.
3) Set the receiver dial to 90 MHz and adjust the core of front end coil (coil marked "*1" in Chart 2 below) shown in Figs. 10 and 11 until the distortion meter level is maximum, and the distortion factor is minimum.
4) Switch the FM signal generator oscillation frequency to 106 MHz (400 Hz, 75% internal modulation).
5) Set the receiver dial to 106 MHz, and adjust Front End trimmer condenser (*2 in Chart 2 below) shown in Figs. 10 and 11 until the distortion meter level is maximum and the distortion factor is minimum.
6) For minimum tracking error, repeat Items 2) through 5) two or three times. Dial tracking error should be within the tolerance shown in Chart 1.

Frequency	Tolerance
90 MHz	± 250 kHz
98 MHz	± 300 kHz
106 MHz	± 250 kHz

Chart 1

Band Width Adjustment Points According to Model Number

Model	*1 Coil	*2 Trimmer Condensers
AA-8080	L105	TC104
AA-8080L	L105	TC104
AA-8030	L103	TC103
AA-8030L	L103	TC103

Chart 2

Ref.

1) In making reception band width adjustments, set dial to following positions.

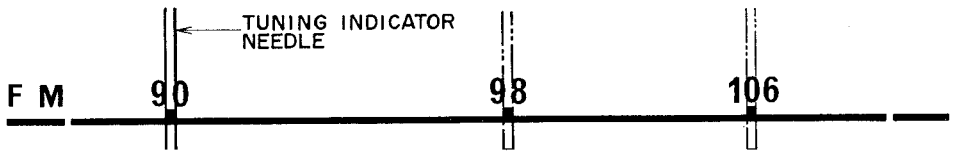


Fig. 13

2) In case of replacement of Front End or dial string, with varicon capacity at maximum position, set tuning indicator needle to end of dial (position indicated by dotted line in Fig. 13), and then replace.

4. TUNING METER CENTER ADJUSTMENT

After completing the adjustments outlined in parts 1, 2, and 3, set the FM signal generator attenuator to "0" (non-output condition), and adjust the upper core of FM IF Amp. P.C. Board coil T201 shown in Fig. 15 until the tuning indicator of tuning meter M2 comes to the center as shown in Fig. 14. Then set receiver dial to 98 MHz, supply a 98 MHz (400 Hz, 75% internal modulation) 66 dB signal from the FM signal generator, and fine-adjust the lower core of coil T201 for minimum distortion factor.

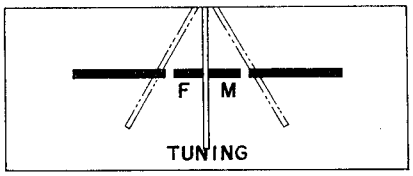


Fig. 14 TUNING METER M2

5. SENSITIVITY ADJUSTMENT

1) Connect the various measuring instruments as shown in Fig. 12.
2) Set the FM signal generator oscillation frequency to 90 MHz (400 Hz, 75% internal modulation), and the attenuator to within 15 to 20 dB.
3) Set receiver dial to 90 MHz, and adjust front end coils (Coil marked "*3" in Chart 3 below) shown in Figs. 10 and 11 until the distortion meter level is maximum, and the distortion factor is minimum.
4) Switch the FM signal generator oscillation frequency to 106 MHz (400 Hz, 75% internal modulation).
5) Set receiver dial to 106 MHz, and adjust front end trimmer condensers (marked "*4" in Chart 3 below) until the distortion meter level is maximum and the distortion factor is minimum.
6) Repeat Items 2) through 5) above at 90 MHz, 98 MHz, and 106 MHz frequencies 2 or 3 times until uniform and maximum sensitivity is attained.
7) Confirm that the distortion factor is less than 0.6% at 98 MHz when the attenuator of the FM signal generator is set to 66 dB.

Sensitivity Adjustment Points According to Model Number

Model	*3 Coil	*4 Trimmer Condenser
AA-8080	L101, L102, L103	TC101, TC102, TC103
AA-8080L	L101, L102, L103	TC101, TC102, TC103
AA-8030	L101, L102	TC101, TC102
AA-8030L	L101, L102	TC101, TC102

Chart 3

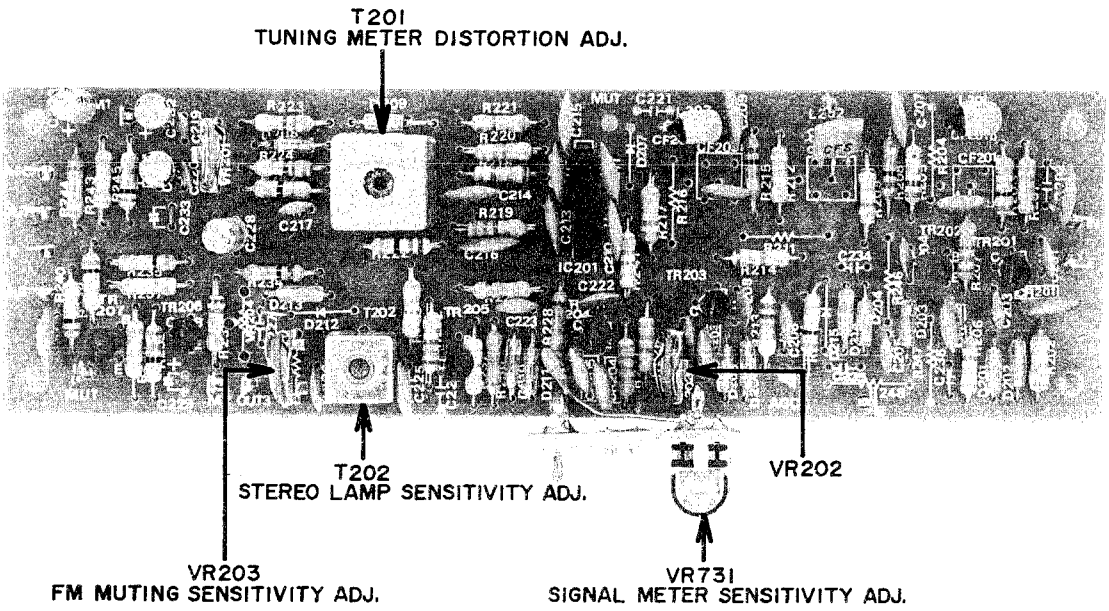


Fig. 15 FM IF AMP. P.C. BOARD 2014

6. MUTING SENSITIVITY ADJUSTMENT (Stereo Indicator Sensitivity Adjustment)

1) Connect the various measuring instruments as shown in Fig. 12.
2) Set the FM signal generator oscillation frequency to 98 MHz (400 Hz, 75% internal modulation), and set attenuation volume of attenuator to maximum.
3) Set receiver dial to 98 MHz and set FM muting to "ON" (There will be no output at the left channel Rec. output terminal at this time).
4) Adjust FM IF Amp. P.C. Board semi-fixed resistor VR-203 (50 kB) so that when the attenuation volume decreases and the attenuator scale is at 20 ± 6 dB, signal output is emitted at the left channel Rec. output terminal.
   At this time, with VR-202 manually set at approximately center point, when signal output is not emitted even when VR-203 is turned fully in the direction of the arrow, adjust by turning VR-202 in direction of arrow.

7. SIGNAL METER SENSITIVITY ADJUSTMENT

NOTE: This adjustment is for models AA-8080, and AA-8080L only.

1) Connect the various measuring instruments as shown in Fig. 12.
2) Set the FM signal generator oscillation frequency to 98 MHz (400 Hz, 75% internal modulation), and the attenuator to 66 dB.
3) Set receiver dial to 98 MHz.
4) Under these conditions, adjust FM IF Amp. P.C. Board semi-fixed resistor VR-731 (20 kB) in Fig. 15 so that the indicator comes to the center of the extreme right hand block of the signal meter scale as shown in Fig. 16.
5) Confirm that the meter does not scale out (over extend scale) even when the FM signal generator attenuator is set to over 66 dB.

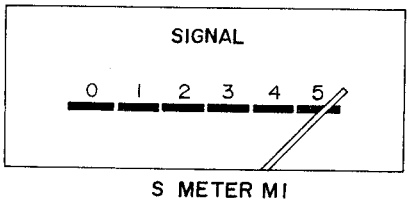


Fig. 16

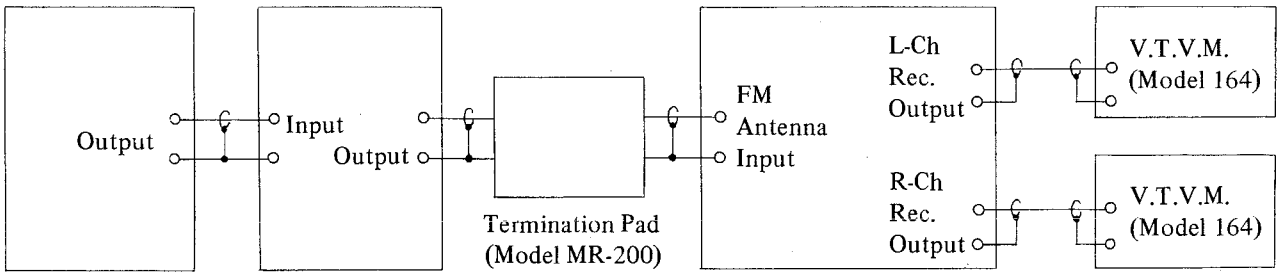


Fig. 17

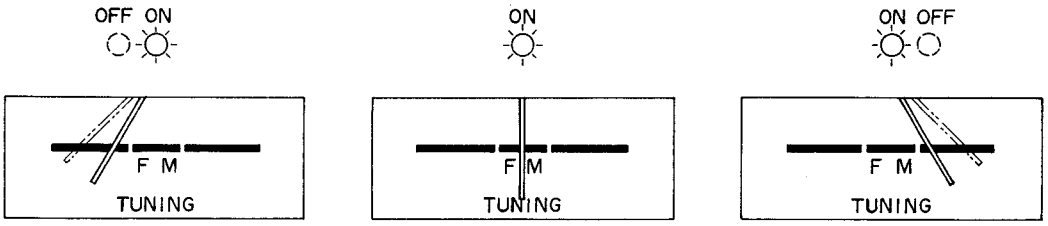


Fig. 18

8. STEREO INDICATOR OPERATING RANGE ADJUSTMENT

1) Connect the various measuring instruments as shown in Fig. 17.
2) Set the 19 kHz pilot signal of the FM stereo modulator to 10% modulation, and the main signal (left and right) to 400 Hz, 90% modulation. Then supply this composite signal (ratio 9:1) to the EXT MOD. terminals of the FM signal generator.
3) Set the FM signal generator oscillation frequency to 98 MHz, and the attenuator to 66 dB.
4) Set receiver dial to 98 MHz (Tuning Meter to center), and confirm that the stereo indicator lights.
5) Adjust the core of FM IF Amp. P.C. Board coil T202 so that when the receiver dial is turned and detuned to left and right from the tuned condition in Item 4), left and right tuning meter balance is attained and the stereo indicator lights as shown in Fig. 18.

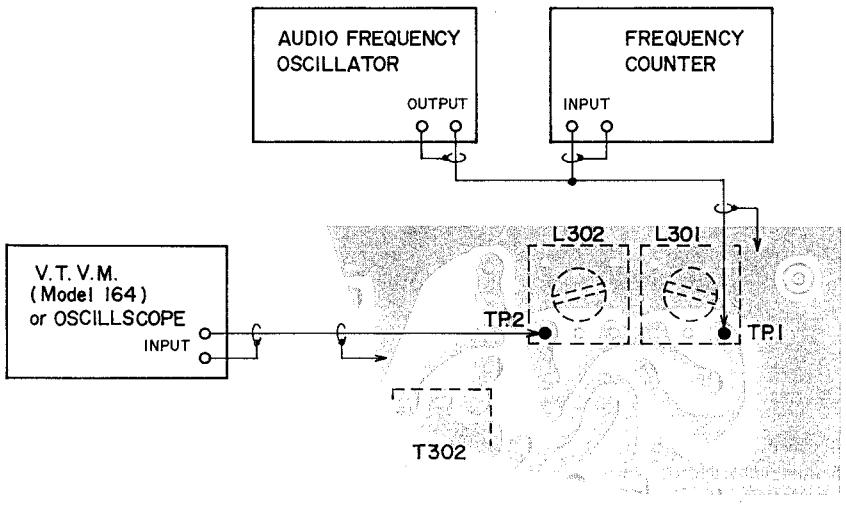


Fig. 19 FM MPX. AMP. P.C. BOARD 3008 (Reverse Side)

9. 19 kHZ, 67 kHZ FILTER ADJUSTMENT

1) Connect the various measuring instruments as shown in Fig. 19.
2) Supply a 19 kHz (output level 300 mV) accurately determined by a frequency counter to test point TP. 1 of the FM MPX. Amp. P.C. Board from the audio frequency oscillator as shown in Fig. 19, and adjust the core of FM MPX. Amp. P.C. Board coil C301 shown in Fig. 20 so that indication of the high sensitivity V.T.V.M. connected to TP.2 or the wave height value of the oscilloscope is minimum.
3) Supply an accurately determined 67 kHz audio signal, and proceed in the same way as at the 19 kHz filter adjustment, adjusting the core of FM MPX. Amp. P.C. Board coil L302 shown in Fig. 20 to obtain minimum V.T.V.M. indication, or minimum oscilloscope wave height value.

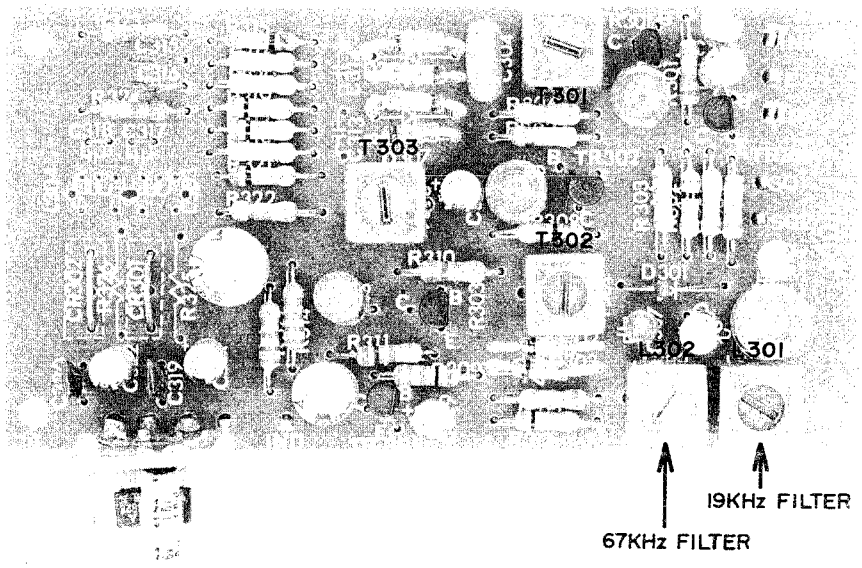


Fig. 20a FM MPX. AMP. P.C. BOARD 3008 (Face Side)

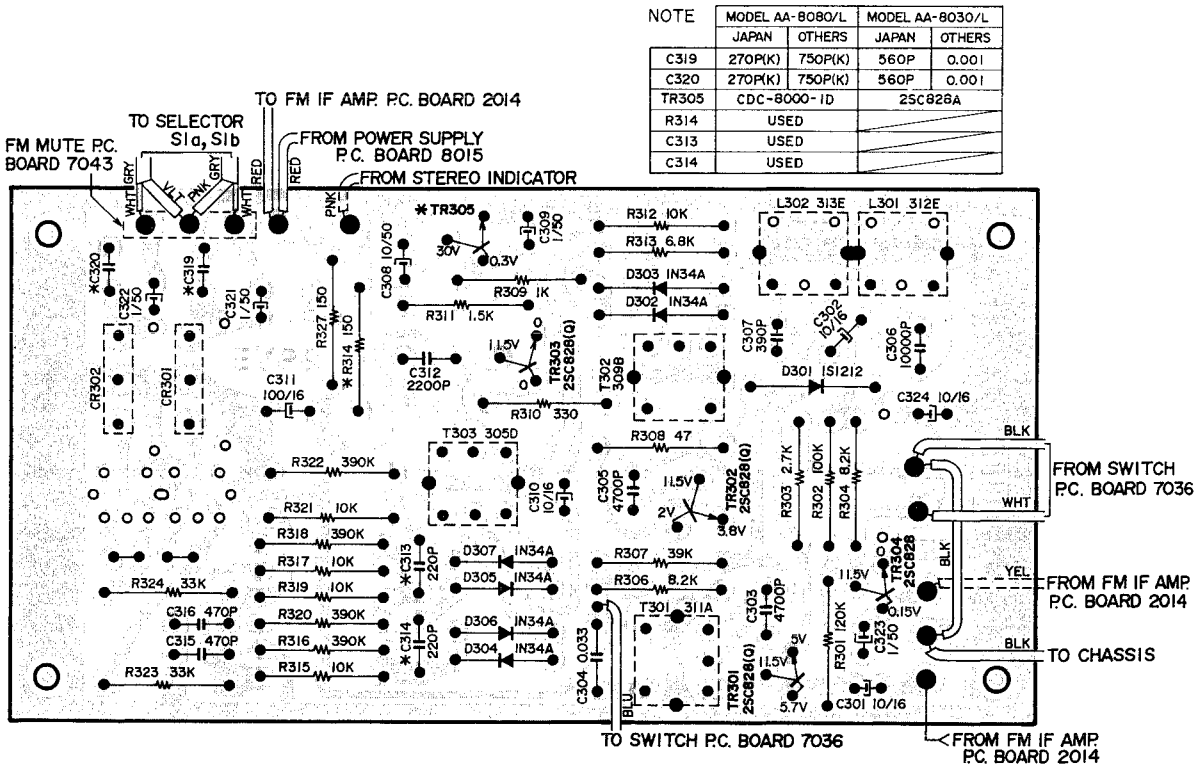


Fig. 20b FM MPX. AMP. P.C. BOARD 3008 (Reverse Side)

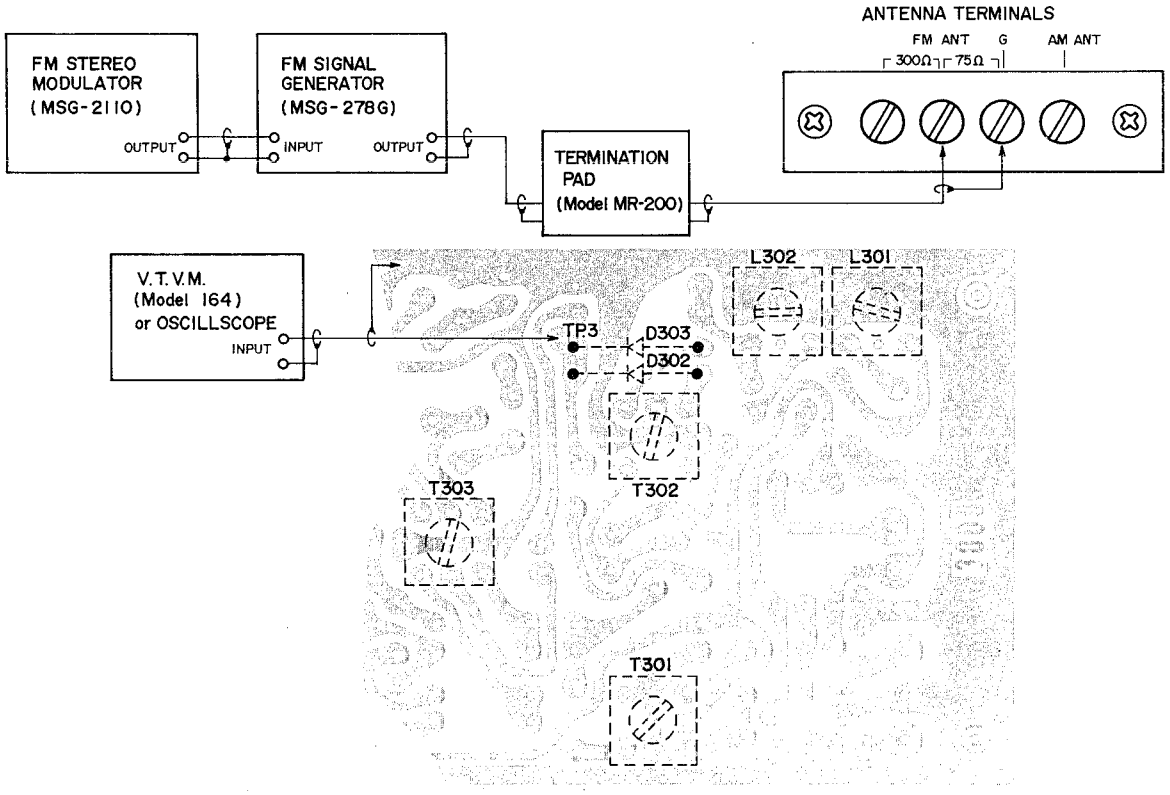


Fig. 21 FM MPX. AMP. P.C. BOARD 3008 (Reverse Side)

10. STEREO SEPARATION ADJUSTMENT

1) Connect the various measuring instruments as shown in Fig. 21.
2) Set the 19 kHz Pilot Signal of the FM stereo modulator to 10% modulation, and the main signal (left and right) to 400 Hz, 90% modulation. Then supply this composite signal (ratio 9:1) to the EXT MOD. terminals of FM signal generator.
3) Set the FM signal generator oscillation frequency to 98 MHz, and the attenuator to 66 dB.
4) Set the receiver dial to 98 MHz, and set the main signal switch of the FM stereo modulator to LEFT channel position.
5) Adjust the cores of FM MPX. Amp. P.C. Board coils T301 and T302 as shown in Fig. 20 so that the indication of the high sensitivity V.T.V.M. connected to test point TP.3 shown in Fig. 21 or the wave height value of the oscilloscope is maximum.
6) After the above adjustments have been completed, adjust the core of FM MPX. Amp. P.C. Board coil T303 so that the indication of the high sensitivity V.T.V.M. connected to the left channel Rec. output is maximum. (For measuring instrument connection method, refer to Fig. 17.)
7) Adjust main chassis semi-fixed resistor VR551 (5 kB) shown in Figs. 1 and 3 so that the indication of the high sensitivity V.T.V.M. connected to the right channel Rec. output is minimum. (For measuring instrument connection method, refer to Fig. 17.)
8) Set the main signal switch of the FM stereo modulator to RIGHT Channel position, and adjust the core of FM MPX. Amp. P.C. Board coil T303 as well as main chassis semi-fixed resistor VR551 (5 kB) so that the high sensitivity V.T.V.M. connected to the left and right channels of the receiver indicates maximum on right channel, and minimum on left channel.
9) An FM stereo separation of better than 33 dB must be obtained through the above adjustments.

VI. AM TUNER ADJUSTMENTS
(MODEL:AA-8080, AA-8030)

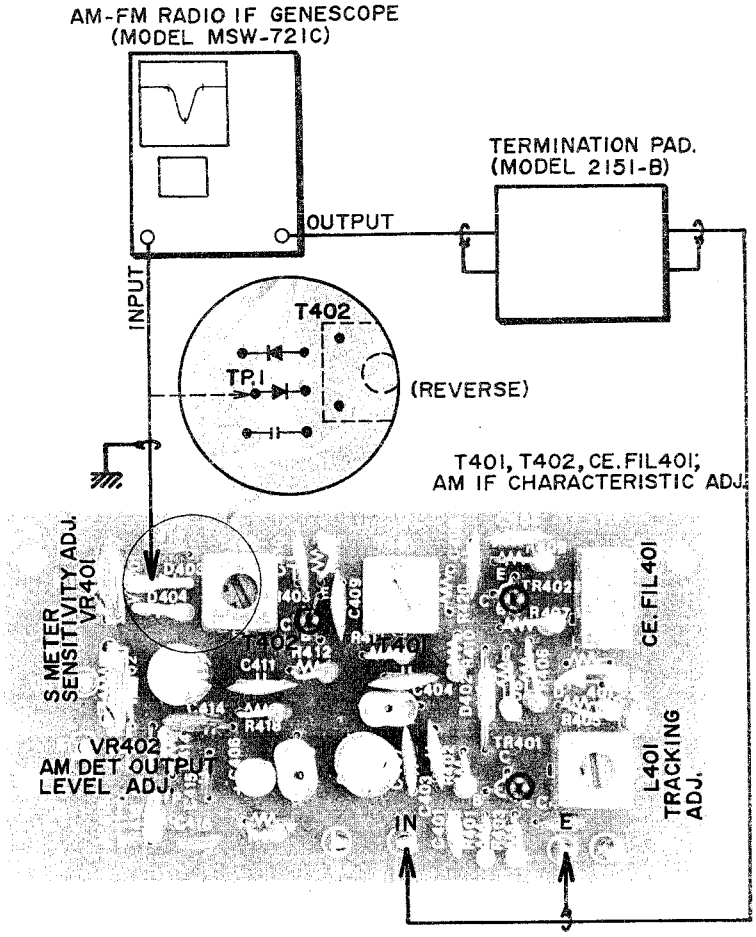


Fig. 22a AM IF AMP. P.C. BOARD 4009 (Face Side)

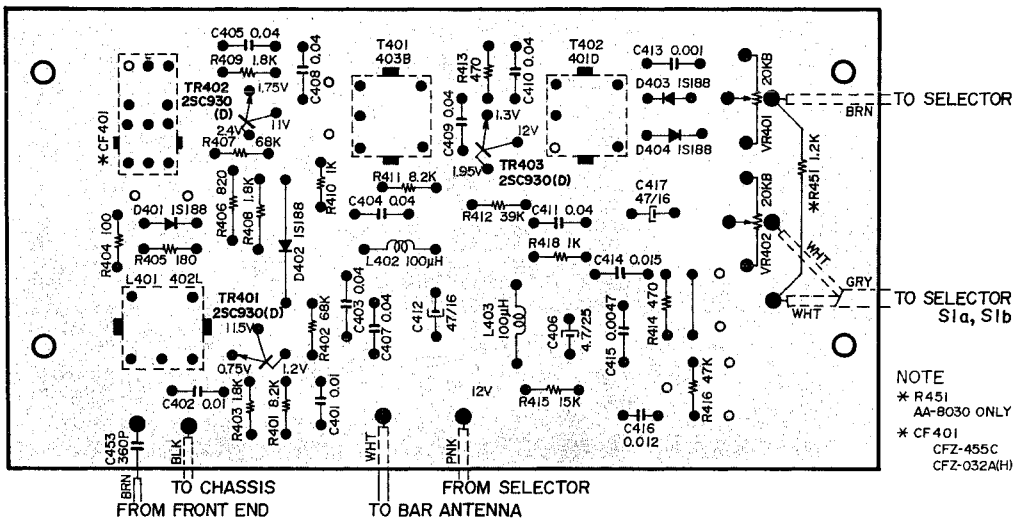


Fig. 22b AM IF AMP. P.C. BOARD 4009 (Reverse Side)

1. AM IF CIRCUIT ADJUSTMENT

1) Connect the lead wires from an AM-FM Radio IF Genescope to the AM IF Amp. P.C. Board IN terminal as well as to test point TP.1 as shown in Fig. 22.
2) Set AM-FM Radio IF Genescope to AM mode, and adjust V-Gain to obtain a 10 mm amplitude of the 0.3V p-p calibration voltage on the genescope screen. Set genescope attenuator to 70 dB.
3) Set receiver mode selector to AM, and set the tuning indicator needle to the right end of the dial.

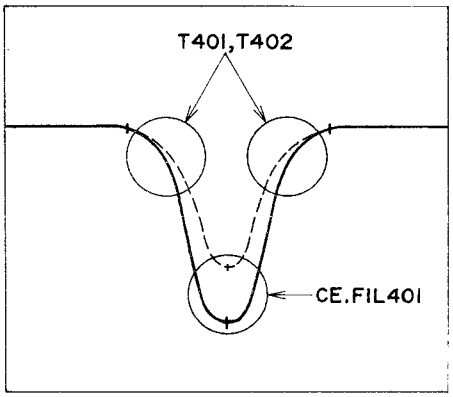


Fig. 23

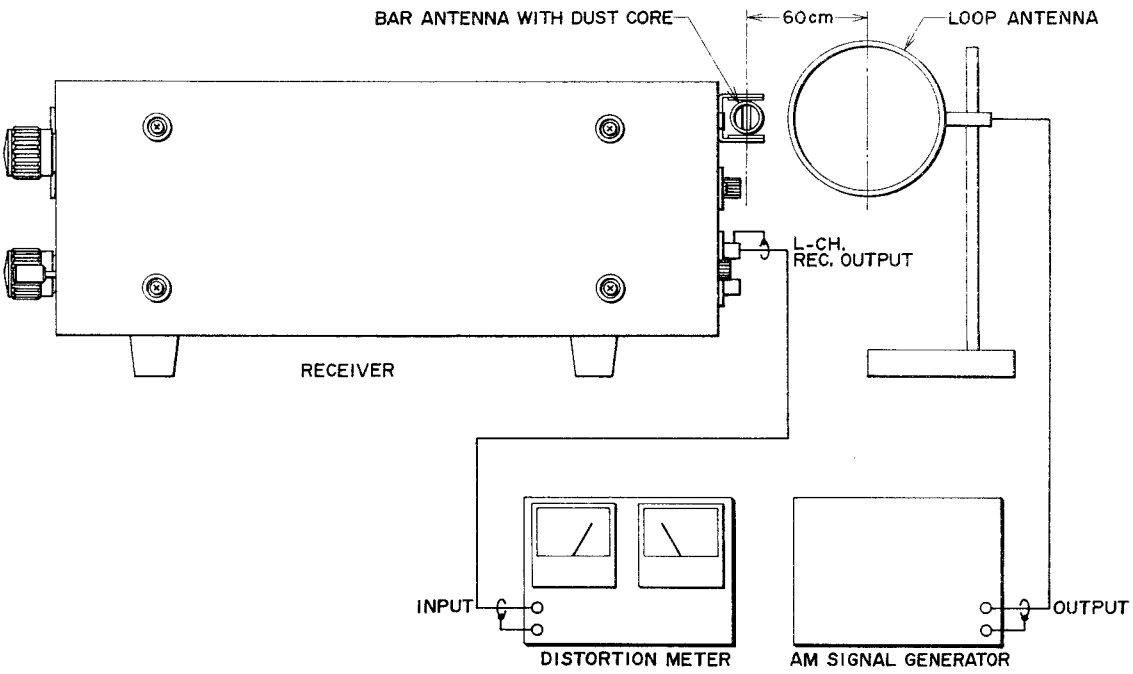


Fig. 24

4) Adjust AM IF Amp. P.C. Board coils T401 and T402 shown in Fig. 22 as well as the core of ceramic filter CE.FIL401 to obtain the fastest angle rise up of parts (A) and (B) of the waveform shown in Fig. 23, and also maximum amplitude at (C).

2. RECEPTION BAND WIDTH ADJUSTMENT (Tracking Adjustment)

1) Connect the various measuring instruments as shown in Fig. 24.
2) Set the AM signal generator oscillation frequency to 600 kHz (400 Hz, 30% internal modulation), and the attenuator to 76 dB.
3) Set receiver dial to 600 kHz.
4) Adjust the core of AM IF Amp. P.C. Board coil L401 shown in Fig. 22 until the distortion meter level is maximum and the distortion factor is minimum.
5) Set the AM signal generator oscillation frequency and receiver dial to 1,400 kHz.
6) Adjust Front End trimmer condenser TC106 (AA-8080) in Fig. 10 or TC105 (AA-8030) in Fig. 11 until the Distortion Meter level is maximum and the distortion factor is minimum.
7) Repeat Items 2) through 6) above until the tracking error is minimum. Also set AM signal generator oscillation frequency and receiver dial to 1,000 kHz to confirm that tracking error is minimum. Dial tracking error should be within the tolerance range shown in Chart 4.

Frequency	Tolerance
600 kHz	± 2%
1000 kHz	± 2%
1400 kHz	± 2%

Chart 4

Ref. In making reception band width adjustments, set dial to following positions.

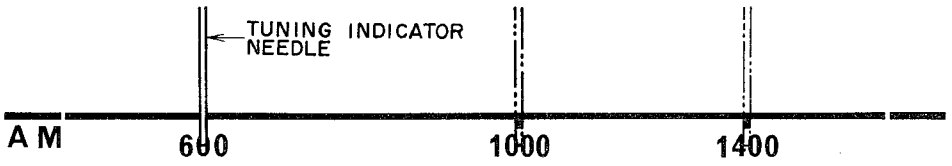


Fig. 25

3. SENSITIVITY ADJUSTMENT

1) Connect the various measuring instruments as shown in Fig. 24.
2) Set the AM signal generator oscillation frequency to 600 kHz (400 Hz, 30% internal modulation) and the attenuator to 76 dB.
3) Set receiver dial to 600 kHz.
4) Adjust the core of bar antenna shown in Fig. 24 so that the distortion meter level is maximum and the distortion factor is minimum (less than 10%).
5) Set the AM signal generator oscillation frequency and the receiver dial to 1,400 kHz.
6) Adjust Front End trimmer condenser TC105 (AA-8080) in Fig. 10, TC104 (AA-8030) in Fig. 11 until the distortion meter level is maximum, and the distortion factor is minimum (less than 10%).
7) For optimum sensitivity adjustment throughout the entire frequency range, repeat adjustments in Items 2) through 6) two or three times.
8) For dial setting positions, see Fig. 25.

4. AM DETECTOR OUTPUT LEVEL ADJUSTMENT

1) Connect the various measuring instruments as shown in Fig. 24, deleting the distortion meter connected to the left channel Rec. output terminal. Then connect an 8Ω dummy load resistor in series with a high sensitivity V.T.V.M. and connect this to the left channel speaker output terminal of the receiver as shown in Fig. 26.
2) Set AM signal generator oscillation frequency to 1,000 kHz (400 Hz, 30% internal modulation), and the attenuator to 100 dB.
3) Set receiver dial to 1,000 kHz.
4) With receiver Tone Controls (bass and treble) at flat and volume control at maximum position, adjust AM IF Amp. P.C. Board semi-fixed resistor VR-402 (20 kB) shown in Fig. 22 so that the speaker output is 12 ± 2V (model AA-8080) or 10 ± 2V (model AA-8030).

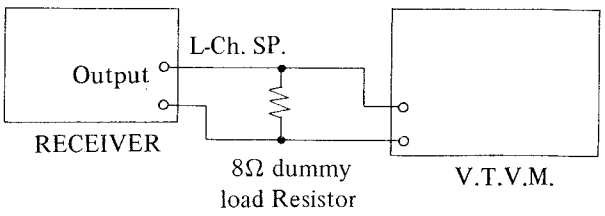


Fig. 26

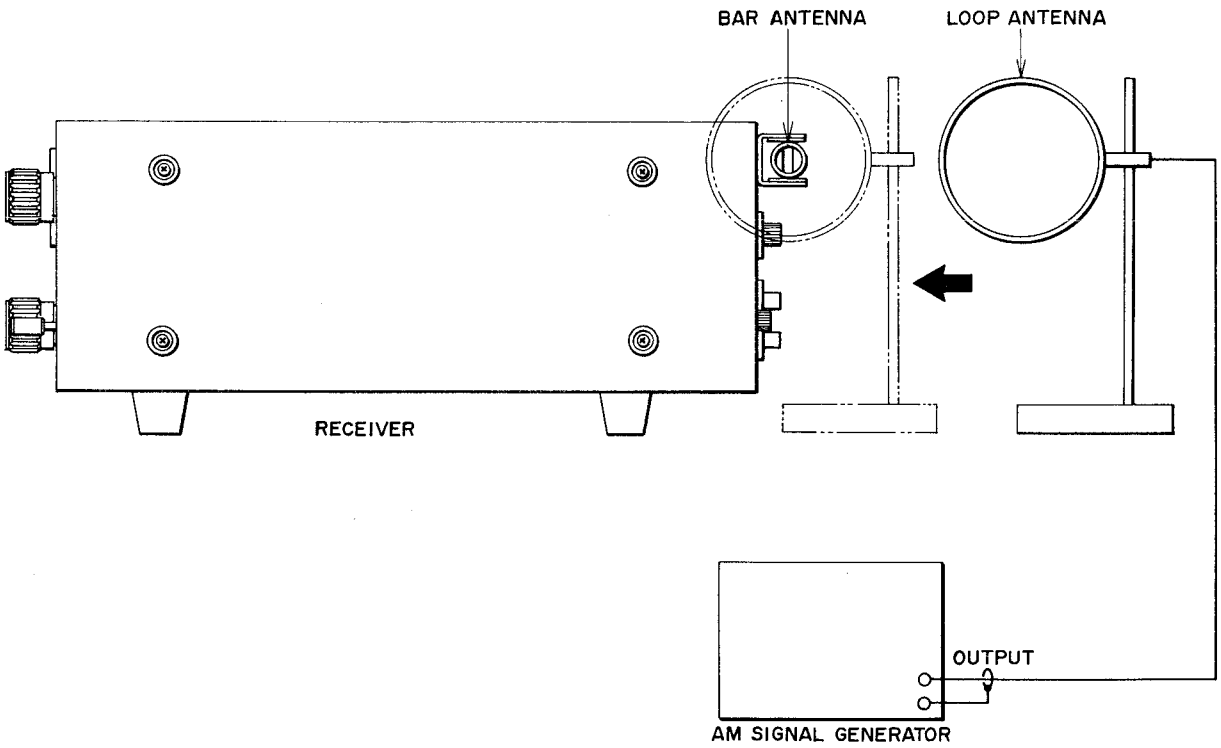


Fig. 27

5. SIGNAL METER SENSITIVITY ADJUSTMENT

1) Connect the various measuring instruments as shown in Fig. 27.
2) Set the AM signal generator oscillation frequency to 1,000 kHz (400 Hz, 30% internal modulation) and the attenuator to 100 dB.
3) Set receiver dial to 1,000 kHz.
4) Adjust AM IF Amp. P.C. Board semi-fixed resistor VR-401 (20 kB) shown in Fig. 22 so that when the loop antenna is brought close to the bar antenna (indicated by dotted lines) as shown in Fig. 27, the signal meter M1 indicator comes to the center of the extreme right hand block of the scale as shown in Fig. 16.

VII. AM TUNER ADJUSTMENTS (MODEL:AA-8080L, AA-8030L)

MW (MEDIUM WAVE) SECTION

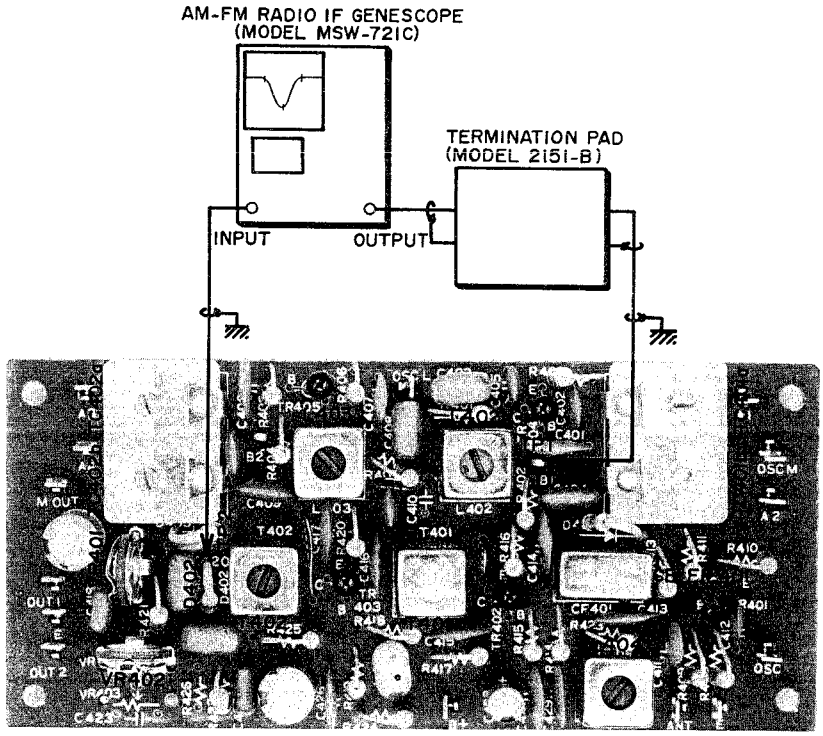


Fig. 28a AM IF AMP. P.C. BOARD 4013 (Face Side)

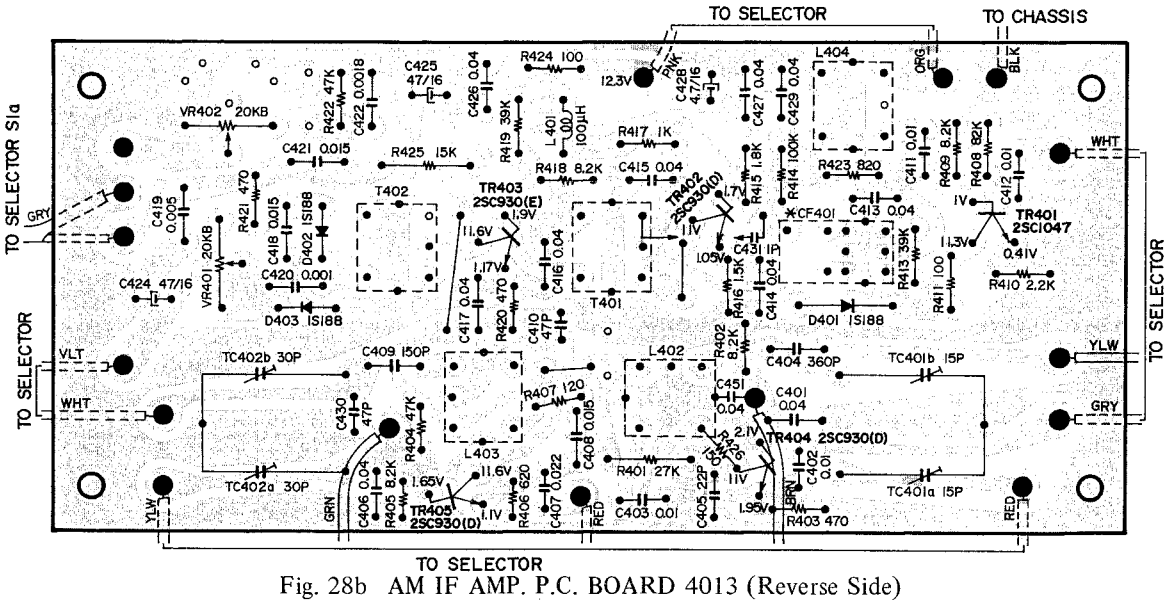


Fig. 28b AM IF AMP. P.C. BOARD 4013 (Reverse Side)

1. IF CIRCUIT ADJUSTMENT

1) Connect the lead wires of an AM-FM Radio IF genescope to the various AM IF Amp. P.C. Board test points as shown in Fig. 28.
2) Set AM-FM Radio IF genescope to AM mode, and adjust V-Gain to obtain a 10 mm amplitude of the 0.3V p-p calibration voltage on the genescope screen. Set genescope attenuator to 70 dB.
3) Set receiver mode selector to MW, and set the tuning indicator needle to the right end of the dial.
4) Adjust AM IF Amp. P.C. Board coils T401 and T402 shown in Fig. 28 as well as the core of ceramic filter CE.FIL401 to obtain the fastest rise up angle of parts (A) and (B) of the waveform shown in Fig. 23 and also maximum amplitude at (C).

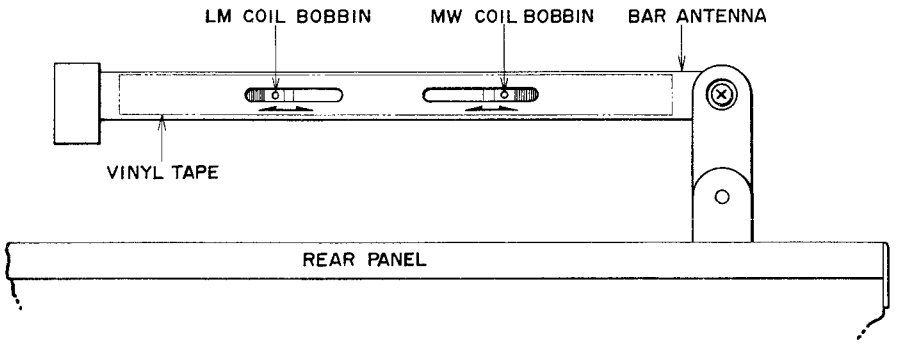


Fig. 29

2. RECEPTION BAND WIDTH ADJUSTMENT (Tracking Adjustment)

1) Connect the various measuring instruments as shown in Fig. 24.
2) Set the AM signal generator oscillation frequency to 600 kHz (400 Hz, 30% internal modulation) and the attenuator to 76 dB.
3) Set receiver dial to 600 kHz.
4) Adjust the core of AM IF Amp. P.C. Board coil L402 shown in Fig. 28 until the distortion meter level is maximum and the distortion factor is minimum.
5) Set the AM signal generator oscillation frequency and the receiver dial to 1,400 kHz.
6) Adjust AM IF Amp. P.C. Board trimmer condenser TC401b shown in Fig. 28 until the distortion meter level is maximum and the distortion factor is minimum.
7) Repeat Items 2) through 6) above two or three times until the tracking error is minimum. Also set AM signal generator oscillation frequency and receiver dial to 1,000 kHz to confirm that tracking error is minimum. Dial tracking error should be within the tolerance range shown in Chart 4.
8) For band width adjustment dial position, refer to Fig. 25.

3. SENSITIVITY ADJUSTMENT

1) Connect the various measuring instruments as shown in Fig. 24.
2) Set AM signal generator oscillation frequency to 600 kHz (400 Hz, 30% internal modulation, and attenuator to 76 dB.
3) Set receiver dial to 600 kHz.
4) Adjust bar antenna MW coil bobbin shown in Fig. 29 to left and right until the distortion meter level is maximum and the distortion factor is minimum (less than 10%).
5) Set AM signal generator oscillation frequency and receiver dial to 1,400 kHz.
6) Adjust AM IF Amp. P.C. Board trimmer condenser TC401a shown in Fig. 28 until the distortion meter level is maximum, and the distortion factor is minimum (less than 10%).
7) For optimum sensitivity adjustment throughout the entire frequency range, repeat adjustments in Items 2) through 4) above two or three times.
8) For dial setting positions, see Fig. 25.

4. 455 kHz IF TRAP ADJUSTMENT

1) Connect the various measuring instruments as shown in Fig. 24, deleting the distortion meter connected to the left channel Rec. output terminal, and connecting a high sensitivity V.T.V.M. to this terminal.
2) Set the AM signal generator oscillation frequency to 455 kHz (400 Hz, 30% internal modulation) and set the attenuator to 100 dB.
3) Set receiver dial to 600 kHz.
4) Adjust the core of AM IF Amp. P.C. Board coil L404 shown in Fig. 28 so that the high sensitivity V.T.V.M. connected to the left channel Rec. output terminal indicates minimum.

5. AM DETECTOR OUTPUT LEVEL ADJUSTMENT

1) Connect the various measuring instruments as shown in Fig. 24, deleting the distortion meter connected to the left channel output terminal. Then connect an 8Ω dummy load resistor in series with a high sensitivity V.T.V.M. and connect this to the left channel speaker output (see Fig. 26).
2) Set the AM signal generator oscillation frequency to 1,000 kHz (400 Hz, 30% internal modulation), and the attenuator to 100 dB.
3) Set receiver dial to 1,000 Hz.
4) With receiver tone controls (bass and treble) at flat, and volume control at maximum position, adjust AM IF Amp. P.C. Board semi-fixed resistor VR402 (20 kB) shown in Fig. 28 so that the speaker output is 12 ± 2V (model AA-8080L), or 10 ± 2V (model AA-8030L).

6. SIGNAL METER SENSITIVITY ADJUSTMENT

1) Connect the various measuring instruments as shown in Fig. 27.
2) Set the AM signal generator oscillation frequency to 1,000 kHz (400 Hz, 30% internal modulation), and the attenuator to 100 dB.
3) Set receiver dial to 1,000 kHz.
4) Adjust AM IF Amp. P.C. Board semi-fixed resistor VR-401 (20 kB) shown in Fig. 28 so that when the loop antenna is brought close to the bar antenna (indicated by dotted lines in Figure) as shown in Fig. 27, the signal meter M1 indicator comes to the center of the extreme right hand block of the scale as shown in Fig. 16.

LW (LONG WAVE) SECTION

1. IF CIRCUIT ADJUSTMENT

If the MW IF circuit adjustment has been made, LW adjustment is not necessary.

2. RECEPTION BAND WIDTH ADJUSTMENT (Tracking Adjustment)

1) Connect the various measuring instruments as shown in Fig. 24.
2) Set the AM signal generator oscillation frequency to 160 kHz (400 Hz, 30% internal modulation), and the attenuator to 88 dB.
3) Set receiver mode selector to LW, and set tuning dial to 160 kHz.
4) Adjust the core of AM IF Amp. P.C. Board coil L403 shown in Fig. 28 until the distortion meter level is maximum, and the distortion factor is minimum.
5) Set AM signal generator oscillation frequency and receiver dial to 340 kHz.
6) Adjust AM IF Amp. P.C. Board trimmer condenser TC402b shown in Fig. 28 until the distortion meter is maximum and the distortion factor is minimum.
7) Repeat Items 2) through 6) two or three times until tracking error is minimum. Also set AM signal generator oscillation frequency and receiver dial to 240 kHz and confirm that tracking error is minimum. Dial tracking error should be within the tolerance range shown in Chart 5.

Frequency	Tolerance
160 kHz	2%
240 kHz	2%
340 kHz	2%

Chart 5

Ref: In making reception band width adjustments, set dial to following positions:

3. SENSITIVITY ADJUSTMENT

1) Connect the various measuring instruments as shown in Fig. 24.
2) Set the AM signal generator oscillation frequency to 160 kHz (400 Hz, 30% internal modulation) and the attenuator to 100 dB.
3) Set receiver dial to 160 kHz.
4) Adjust bar antenna LW coil bobbin shown in Fig. 29 to left and right until the distortion meter level is maximum and the distortion factor is minimum (less than 10%).
5) Set AM signal generator oscillation frequency and dial scale to 340 kHz.
6) Adjust AM IF Amp. P.C. Board trimmer condenser TC402a shown in Fig. 28 until the distortion meter level is maximum and the distortion factor is minimum (less than 10%).
7) For optimum sensitivity adjustment throughout the entire frequency range, repeat adjustments in Items 2) through 6) above two or three times.
8) For dial setting positions, see Fig. 30.

4. 455 kHZ IF TRAP ADJUSTMENT

If the MW Trap Adjustment has been made, LW adjustment is not necessary.

5. AM DETECTOR OUTPUT ADJUSTMENT

If the MW AM Detector Output Adjustment has been made, LW adjustment is not necessary, but the specified output should be reconfirmed (refer to "AM Detector Output Adjustment" procedure of AM Tuner Adjustment Section).

6. SIGNAL METER SENSITIVITY ADJUSTMENT

If the MW Signal Meter Adjustment has been made, LW adjustment is not necessary, but confirmation should be made of proper signal meter indication (refer to "Signal Meter Adjustment" procedure of AM Tuner Section.

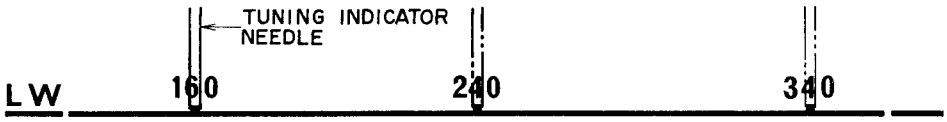


Fig. 30

VIII. POWER AMPLIFIER ADJUSTMENTS

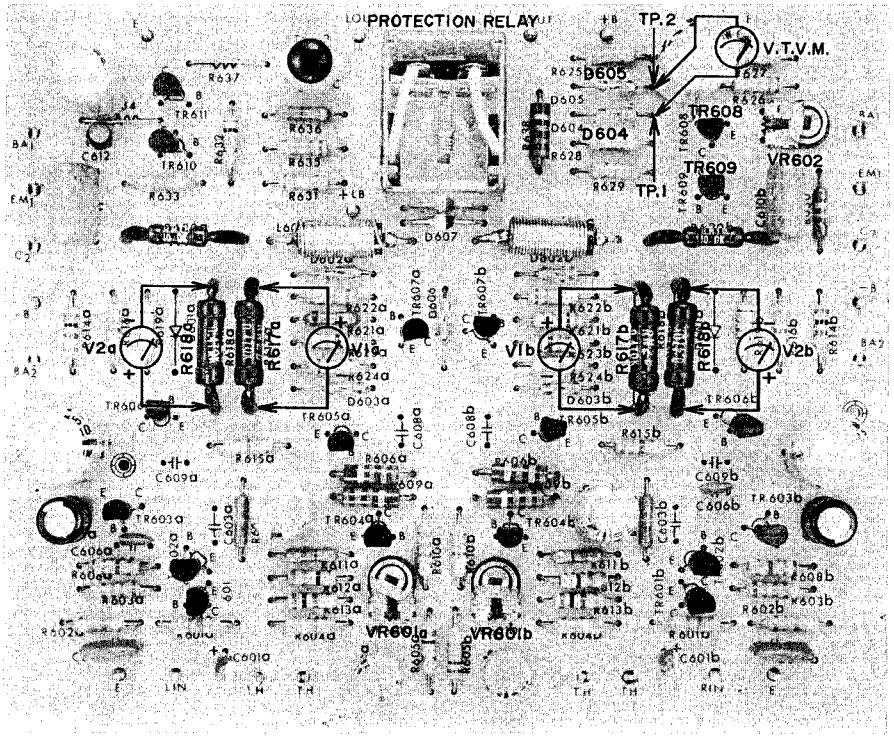
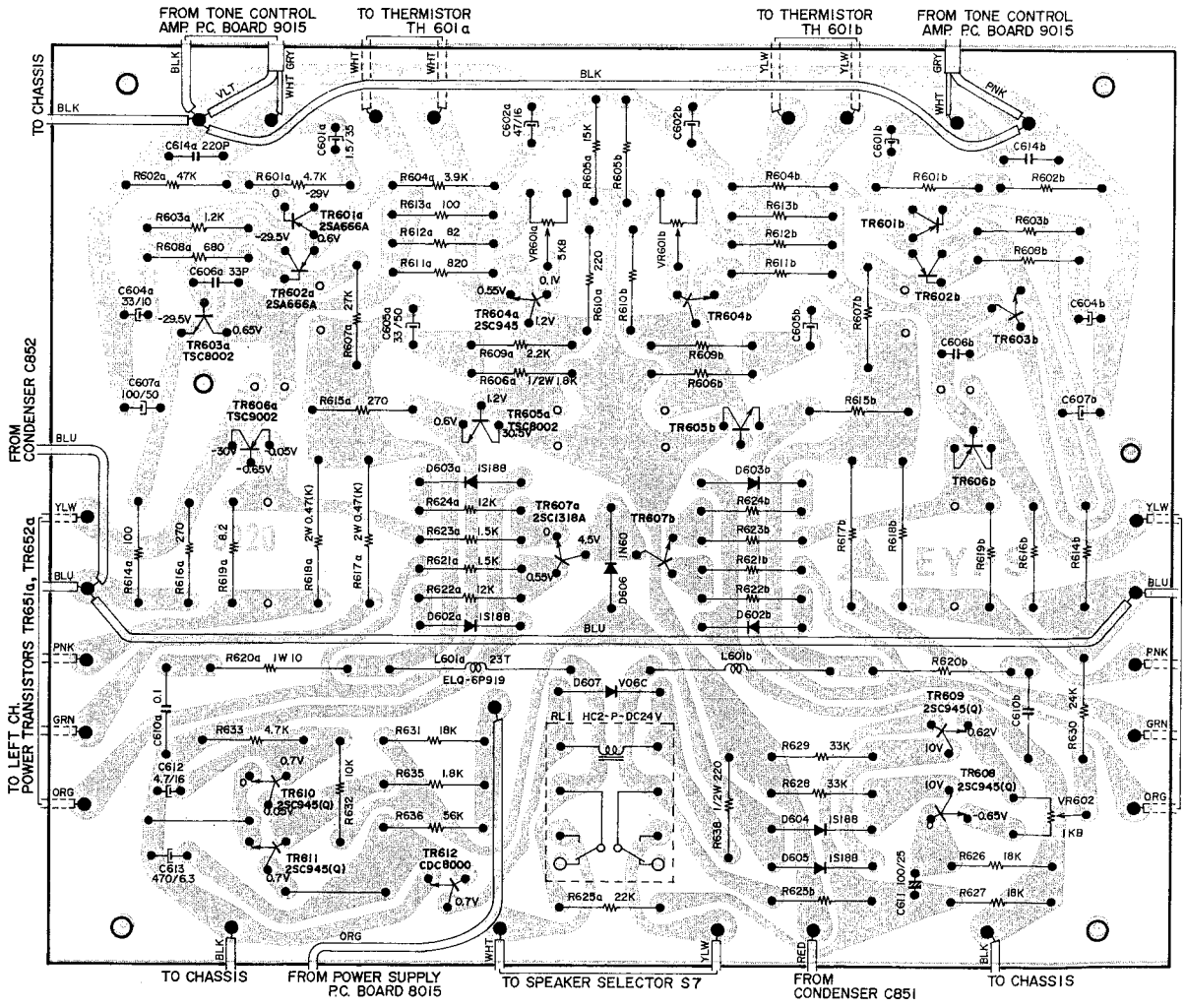


Fig. 31a POWER AMP. P.C. BOARD 6020 (Face Side)



1. MODEL AA-8080, AA-8080L

Caution: In making power amplifier adjustments, the volume control must be kept at minimum.

1) Power Transistors TR651 and TR652 Emitter Voltage Adjustment
Adjust Power Amp. P.C. Board semi-fixed resistor according to Chart 6 for proper emitter voltage of each power transistor (refer to Fig. 31).

	Proper Voltage	Adjustment Point
Left Channel	V1a, V2a 14 mV	VR601a 5 kB
Right Channel	V1b, V2B 14 mV	VR601b 5 kB

Chart 6

2) Power Transistor Protector Circuit Adjustment
Connect a V.T.V.M. (1.5V range) to Power Amp. P.C. Board test points TP1 and TP2 shown in Fig. 31, and adjust Power Amp. P.C. Board semi-fixed resistor VR602 (1 kB) so that the voltage error between test points is "0"V.

3) Confirmation of Power Transistor Protector Circuit Function
When the mode selector is set to "AUX" and the rated output is emitted, shorting the speaker output terminals, confirm that the protection relay functions, and reverts back to normal in about 2 or 3 seconds.

2. MODEL AA-8030, AA-8030L

Power Transistors TR651 and TR652 Emitter Voltage Adjustment
Adjust Power Amp. P.C. Board semi-fixed resistor according to Chart 7 for proper emitter voltage of each power transistor (see Fig. 32).

	Proper Voltage	Adjustment Point
Left Channel	V1a, V2a 9 mV	VR601a 1 kB
Right Channel	V1b, V2b 9 mV	VR601b 1 kB

Chart 7

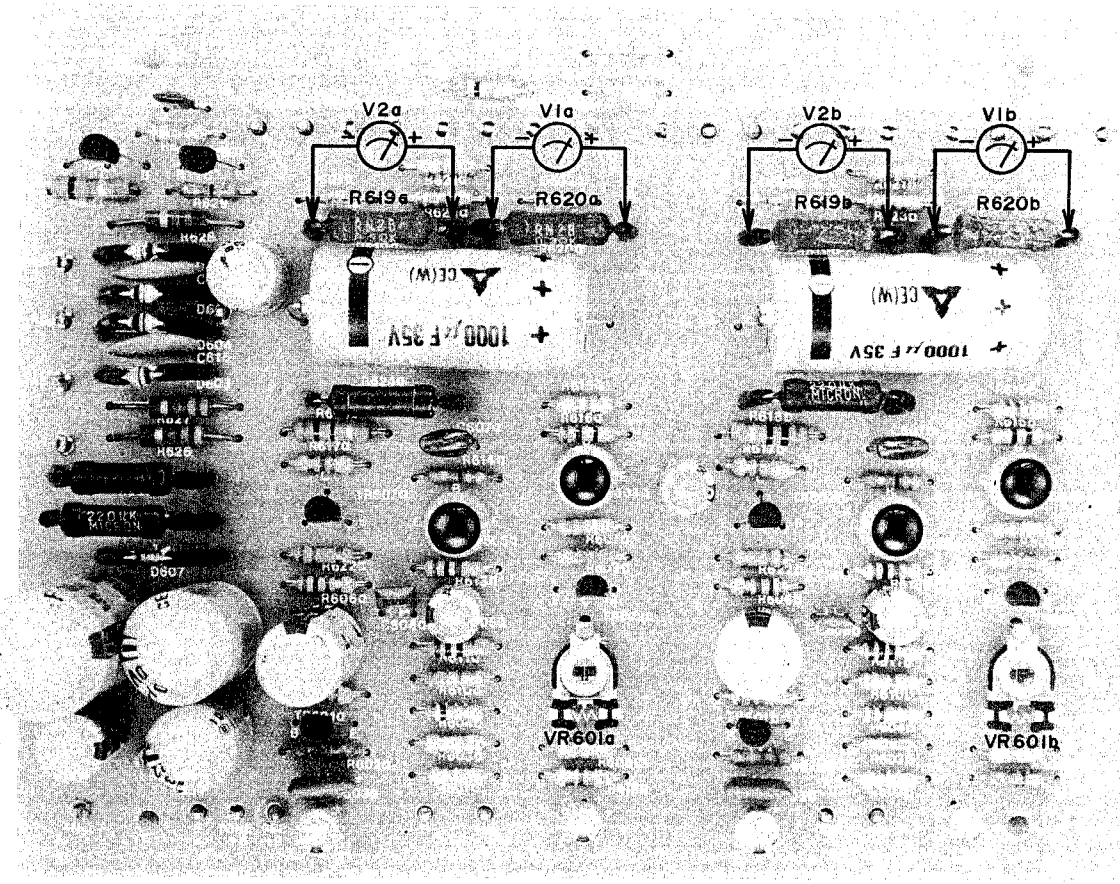


Fig. 32a POWER AMP. P.C. BOARD 6023 (Face Side)

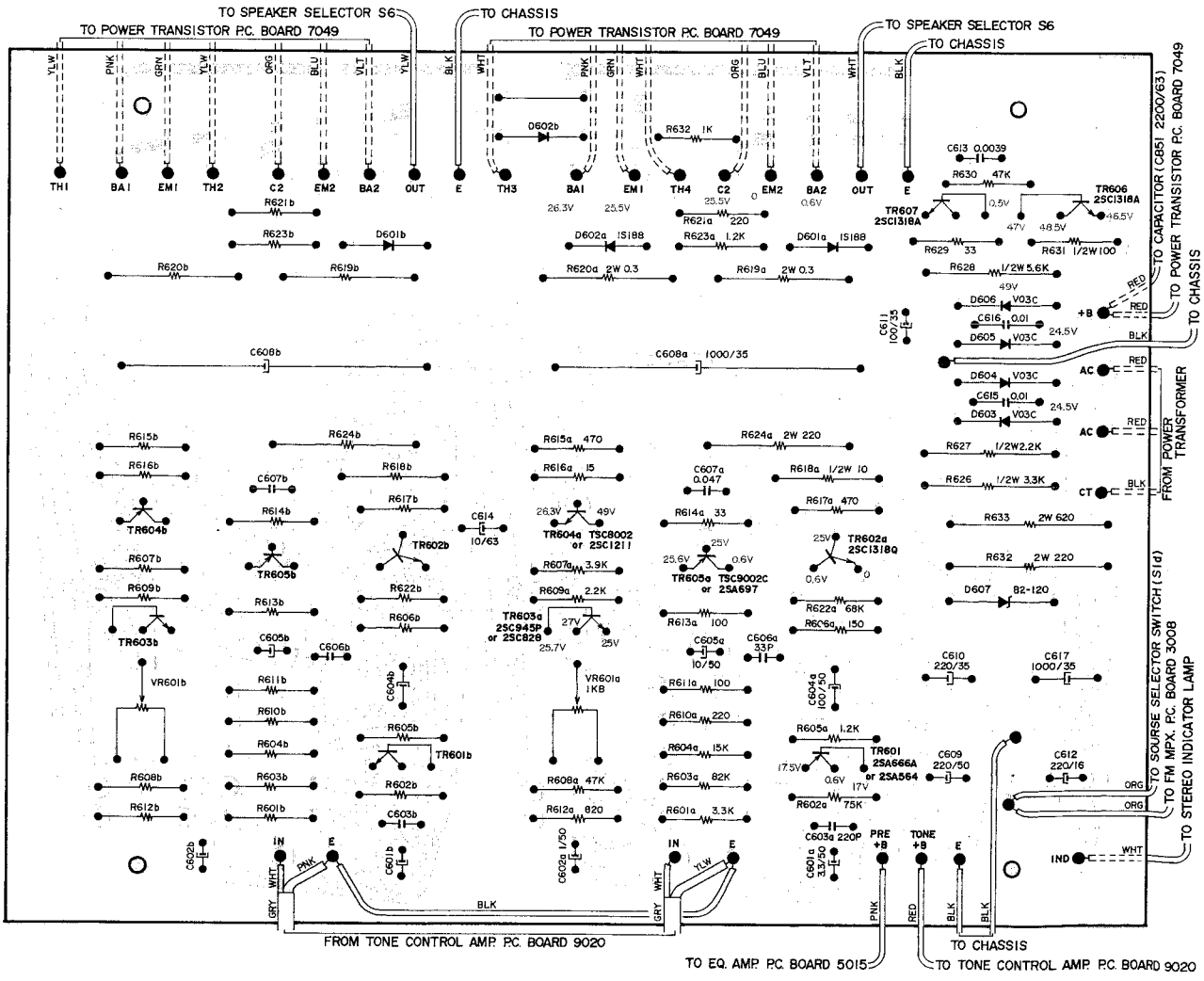

TO SPEAKER SELECTOR S6
TO POWER TRANSISTOR P.C. BOARD 7049
TO CHASSIS
TO POWER TRANSISTOR P.C. BOARD 7049
TO SPEAKER SELECTOR S6
TO CHASSIS
TO CAPACITOR (C851 2200/63)
TO POWER TRANSISTOR P.C. BOARD 7049
TO CHASSIS
FROM POWER TRANSFORMER
TO SOURSE SELECTOR SWITCH (S1d)
TO FM MPX. P.C. BOARD 3008
TO STEREO INDICATOR LAMP
FROM TONE CONTROL AMP. P.C. BOARD 9020
TO EQ. AMP. P.C. BOARD 5015
TO CHASSIS
TO TONE CONTROL AMP. P.C. BOARD 9020

Fig. 32b POWER AMP. P.C. BOARD 6023 (Reverse Side)

IX. TUNING CORD THREADING

Caution: Vanes must be closed to maximum before threading the tuning cord.

MODEL AA-8080, AA-8080L

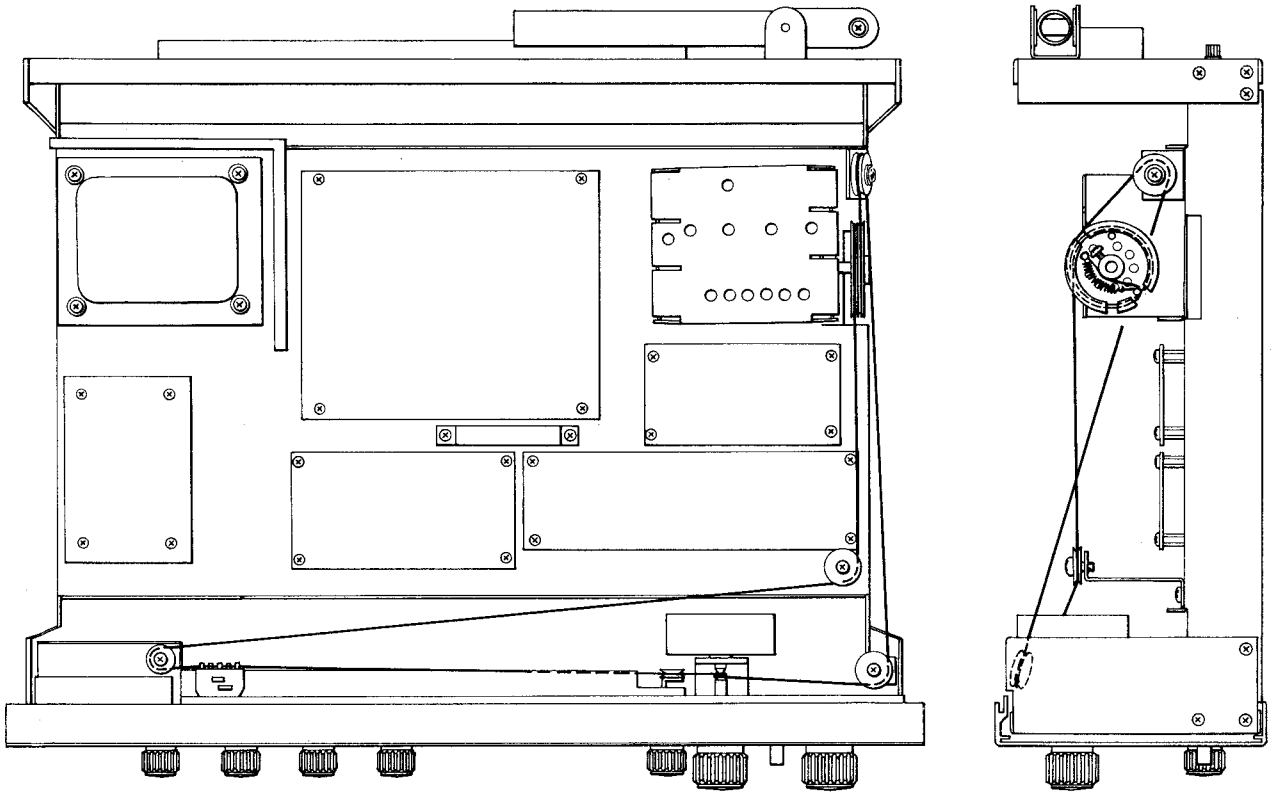


Fig. 33

MODEL AA-8030, AA-8030L

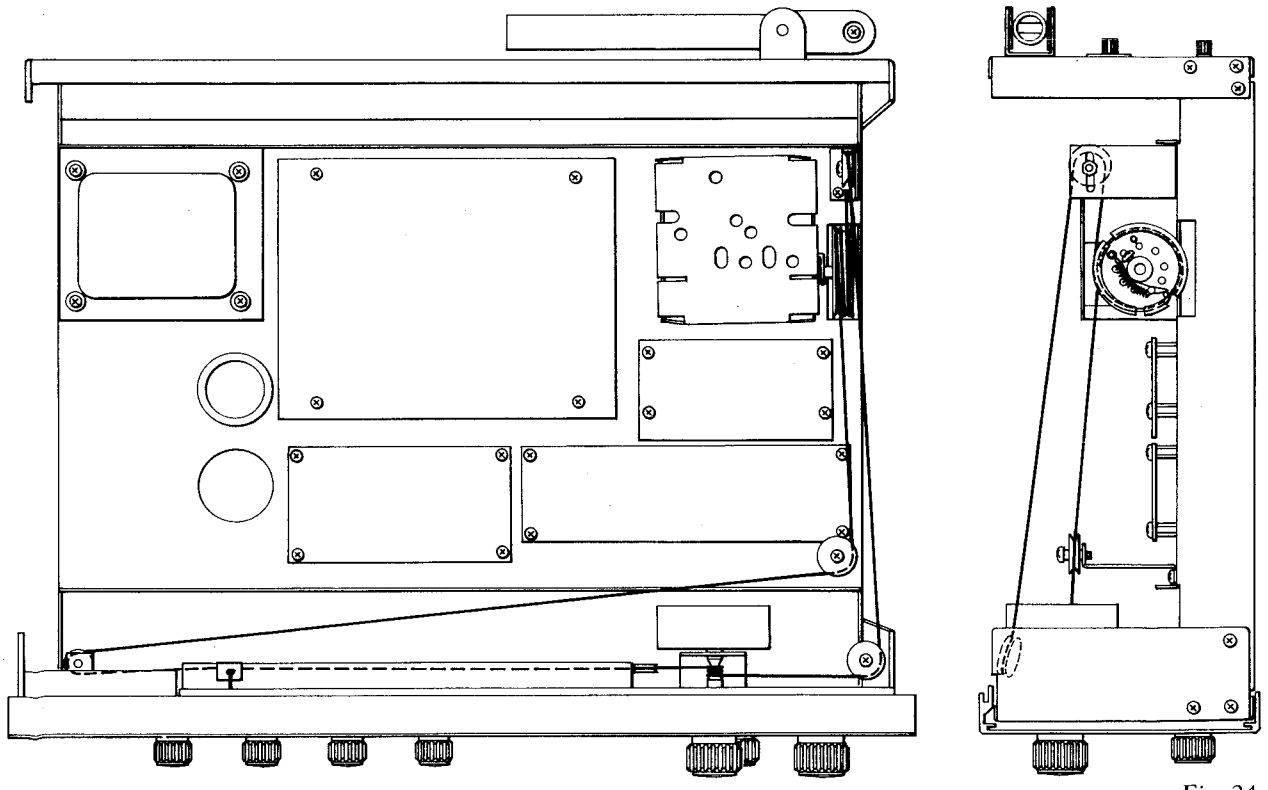
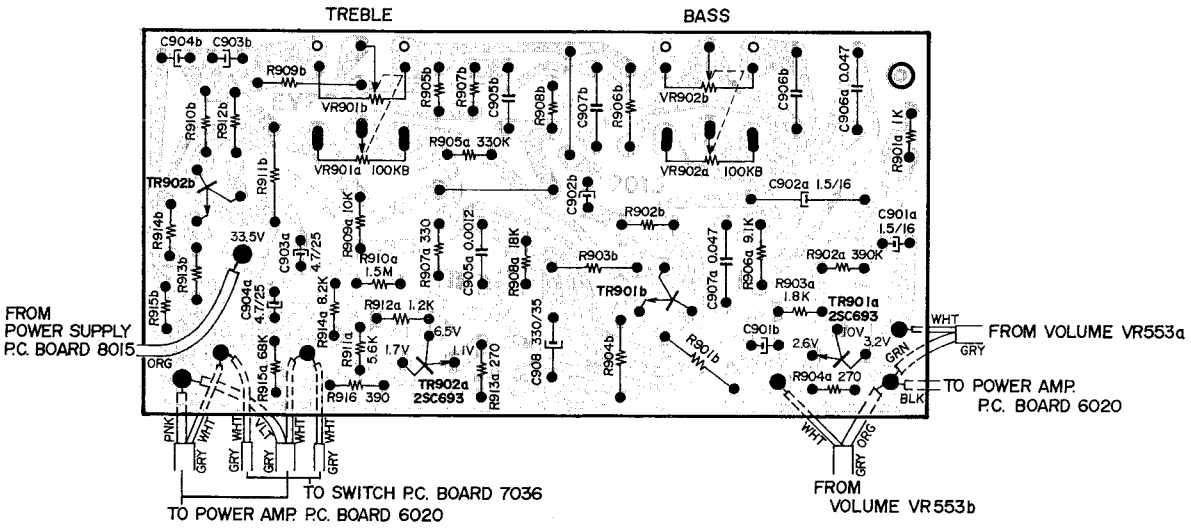


Fig. 34

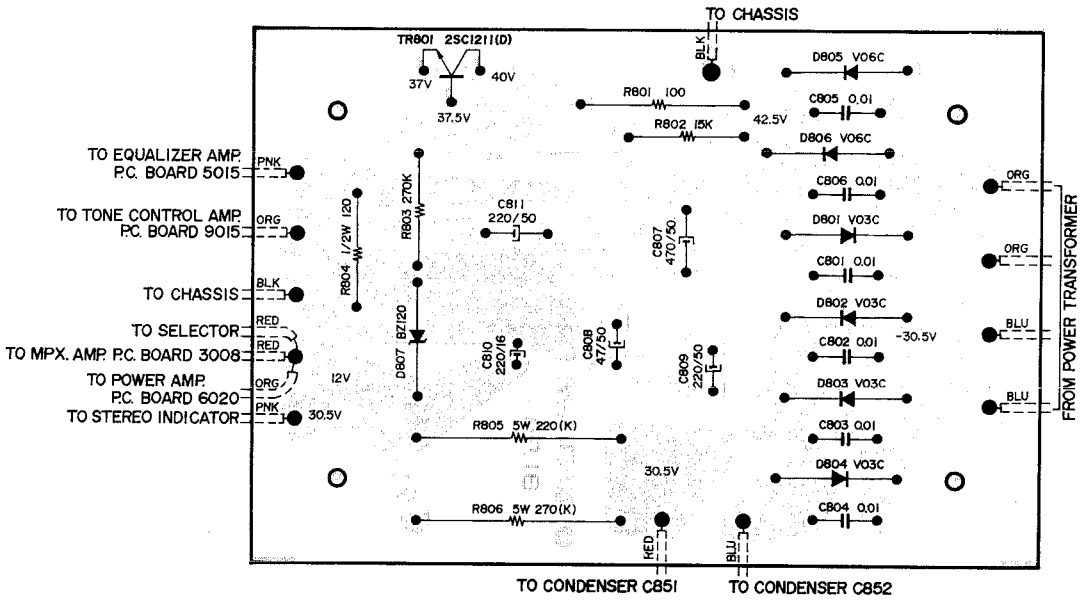
X. COMPOSITE VIEWS OF COMPONENTS

MODEL AA-8080/L

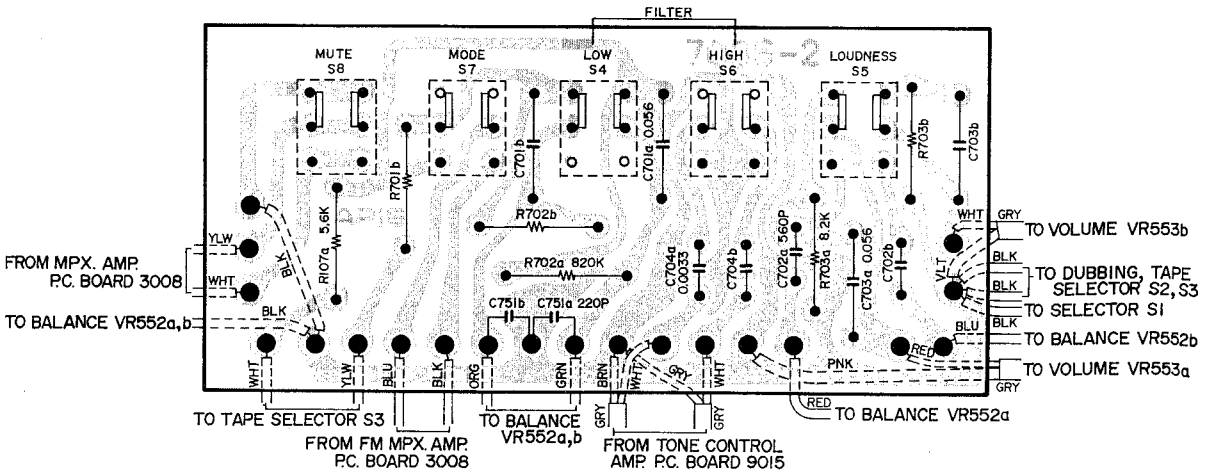
1. TONE CONTROL AMP. P.C. BOARD (9015)



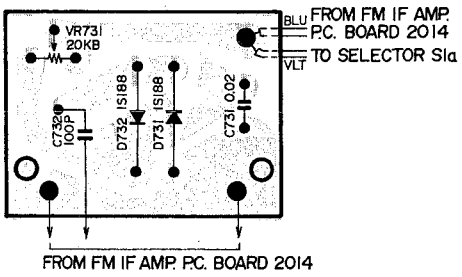
2. POWER SUPPLY P.C. BOARD (8015)



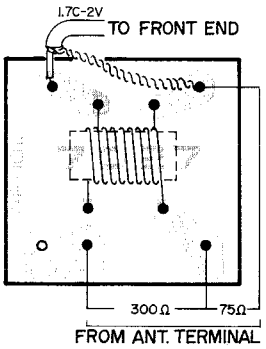
3. SWITCH P.C. BOARD (7036-2)



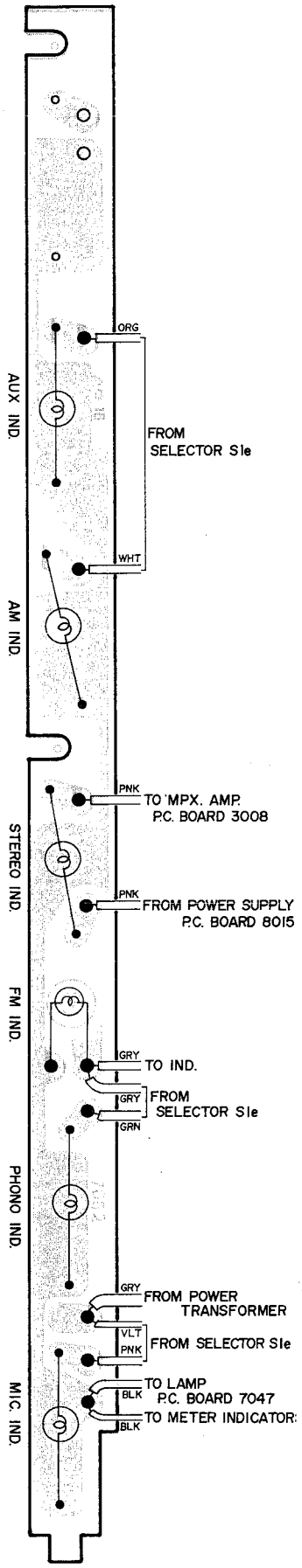
4. S METER RECTIFIER P.C. BOARD (7040)



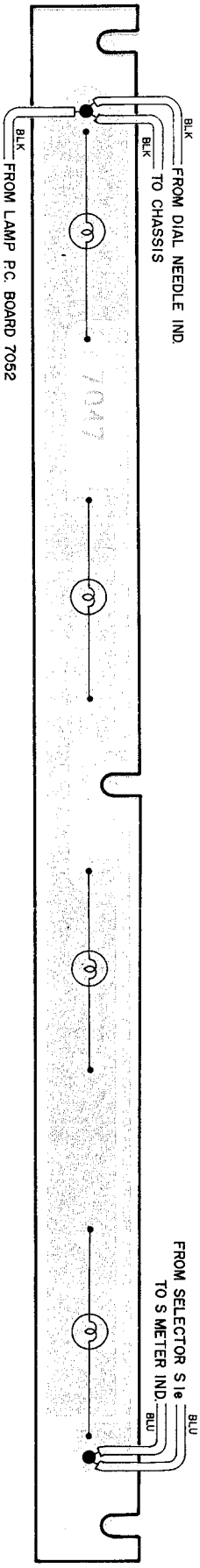
5. BALLOON P.C. BOARD (7027)



6. LAMP P.C. BOARD (7052)

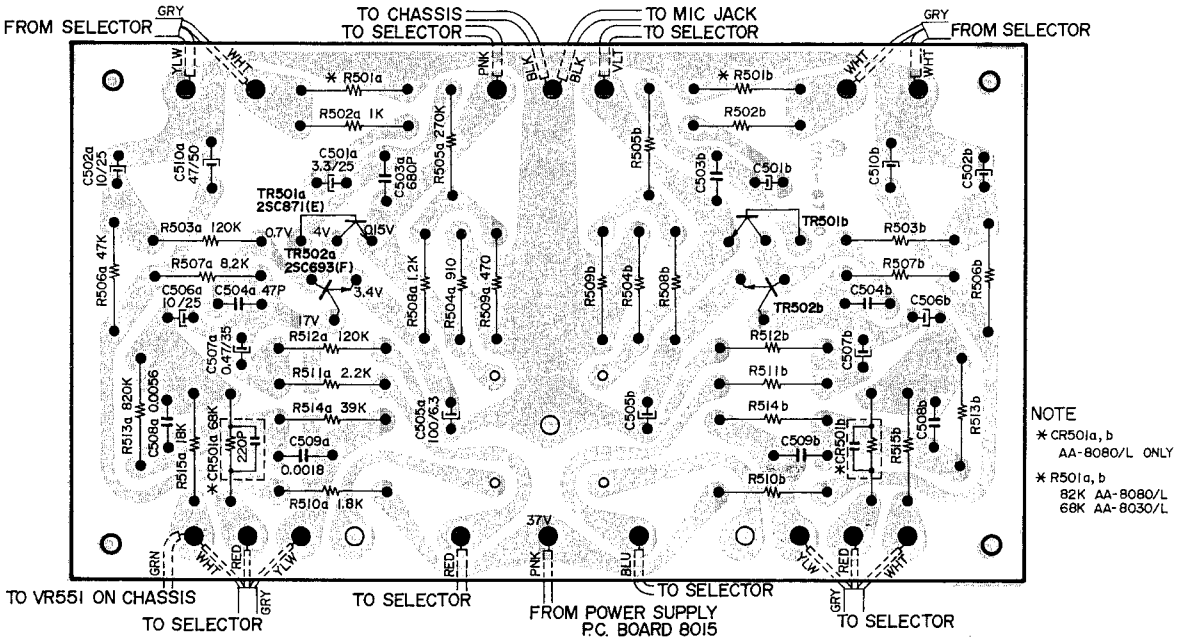


7. DIAL LAMP P.C. BOARD (7047)

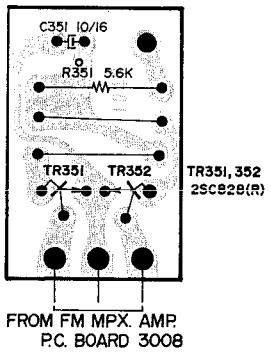


MODEL AA-8080/L, AA-8030/L

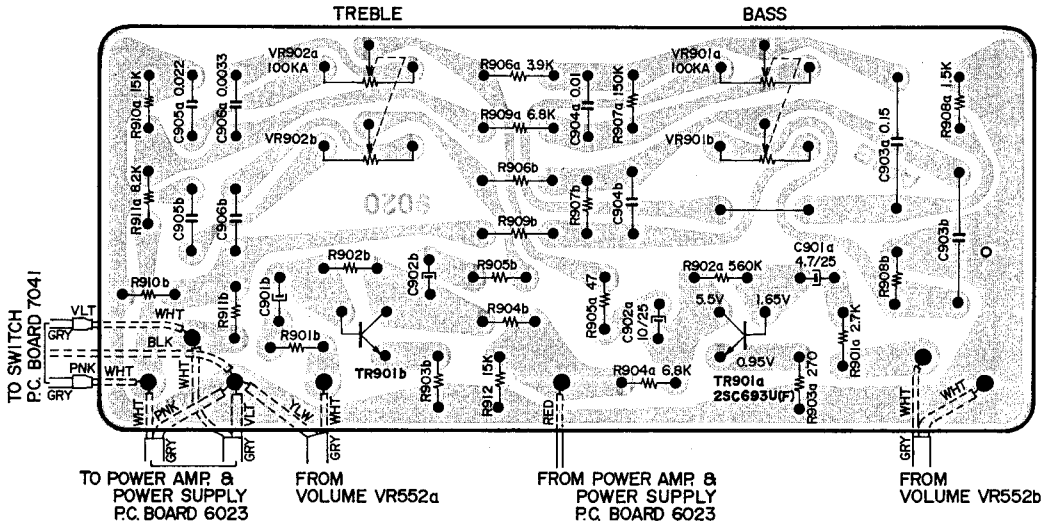
8. EQUALIZER AMP. P.C. BOARD (5015)



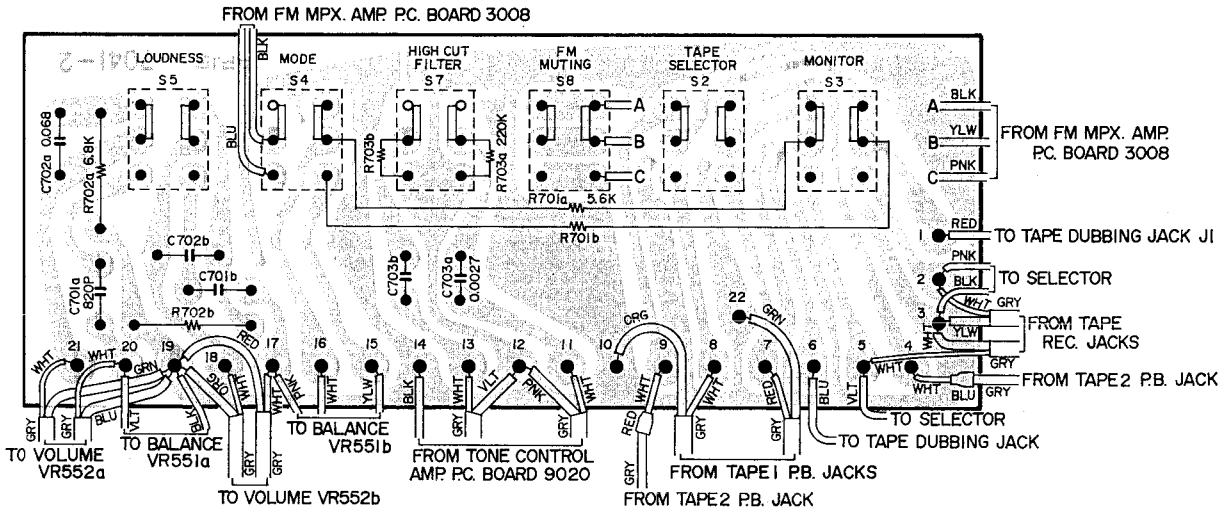
9. FM MUTE P.C. BOARD (7043)



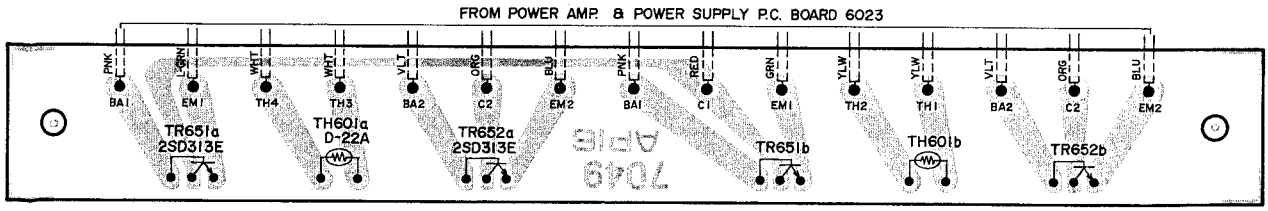
10. TONE CONTROL AMP. P.C. BOARD (9020)



11. SWITCH P.C. BOARD (7041-2)



12. POWER TRANSISTOR P.C. BOARD (7049)



SECTION 2

PARTS LIST

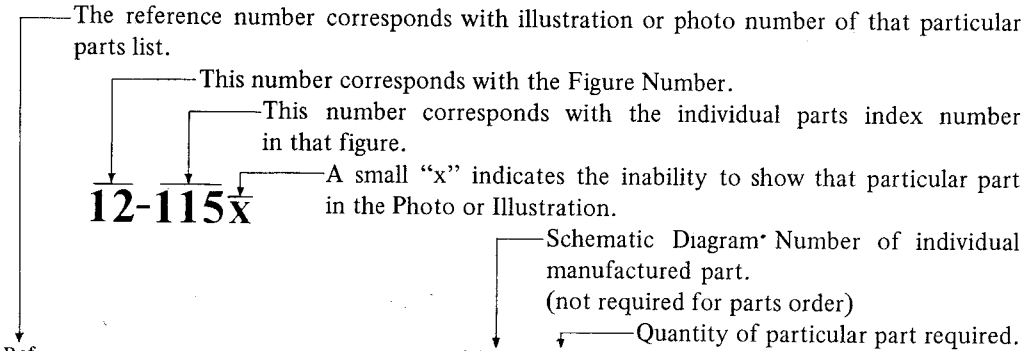
MODEL AA-8080, 8080L

TABLE OF CONTENTS

FIG. 1 MAIN AMP. P.C. BOARD (6020-2) BLOCK 40
FIG. 2 EQUALIZER AMP. P.C. BOARD (5015) BLOCK 41
FIG. 3 TONE CONTROL AMP. P.C. BOARD (9015) BLOCK . 42
FIG. 4 FM MPX. P.C. BOARD (3008) BLOCK 43
FIG. 5 FM IF. P.C. BOARD (2014) BLOCK 44
FIG. 6 AM IF. P.C. BOARD (4009) BLOCK 45
FIG. 7 AM IF. P.C. BOARD (4013) BLOCK (L) 46
FIG. 8 POWER SUPPLY P.C. BOARD (8015) BLOCK 47
FIG. 9 SWITCH P.C. BOARD (7036-2) BLOCK 47
FIG. 10 ASSEMBLY BLOCK 49
FIG. 11 CASE BLOCK 51

HOW TO USE THIS PARTS LIST

1. This parts list is compiled by various individual blocks based on assembly process.
2. When ordering parts, please describe parts number, serial number, and model number in detail.
3. How to read List


The reference number corresponds with illustration or photo number of that particular parts list.
This number corresponds with the Figure Number.
This number corresponds with the individual parts index number in that figure.
A small "x" indicates the inability to show that particular part in the Photo or Illustration.
12-115x
Schematic Diagram Number of individual manufactured part. (not required for parts order)
Quantity of particular part required.

Ref. No.	Parts No.	Description	Schematic No.	Q'ty
		FLYWHEEL BLOCK #13		
12-115x	800425	Flywheel Block Assy. Comp.	RDG #13	1
12-116	244506	Flywheel Only	RD-233	1
12-117x	244754	Felt, Flywheel	RD-275	1
12-118	251324	Main Metal Case	RD-236	1
12-119	253080	Main Metal	RD-237	1

4. The symbol numbers shown on the P.C. Board list can be matched with the Composite Views of components of the Schematic Diagram or Service Manual.
5. The indications of Resistors and Capacitors in the photos of P.C. Board are being eliminated.
6. The shape of the parts and parts name, etc. can be confirmed by comparing them with the parts shown on the Electrical Parts List Table of P.C. Board.
7. Both the kind of part and installation position can be determined by the Parts Number. To determine where a parts number is listed, utilize Parts Index at end of Parts List.
   It is necessary first of all to find the Parts Number. This can be accomplished by using the Reference Number listed at right of parts number in the Parts Index. (meaning of ref. no. outlined in Item 3 above).
8. Utilize separate "Price List for Parts" to determine unit price. The most simple method of finding parts Price is to utilize the reference number.

ELECTRICAL PARTS LIST TABLE

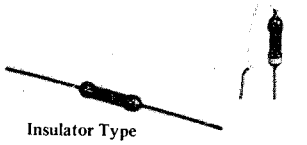
ELECTRICAL PARTS LIST TABLE

Because the indication of resistors and capacitors in the P.C. Board photos are being eliminated, please confirm parts name and shape by comparing them with the parts shown in this table.

1

Solid Resistor

2 Stopper Type



Insulator Type

Carbon Resistor

3

Metal Oxide Film Resistor

4

Cement Resistor

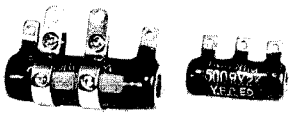
5

Wire-Wound Resistor

6

Thermister

7



Enamel Resistor

1

MP Capacitor (Tubuler Type)

2

Plastic Capacitor

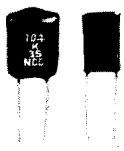
3

Mylar Capacitor

4

VFM (Hi-Q) Capacitor

5



Mylar Capacitor

6

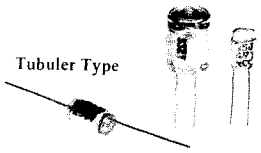
Tantalum Capacitor

7

Oil Capacitor (Tubuler Type)

8 Vertical Type

Tubuler Type



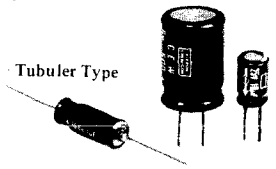
Styrol Capacitor

9

Electrolytic Capacitor (Tubuler Type)

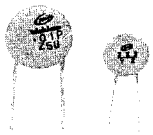
10 Vertical Type

Tubuler Type



Electrolytic Capacitor

11

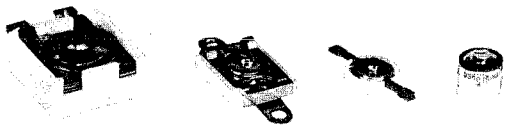


Ceramic Capacitor

12

Metalized Mylar (Paper) Capacitor

13



Trimmer Condenser

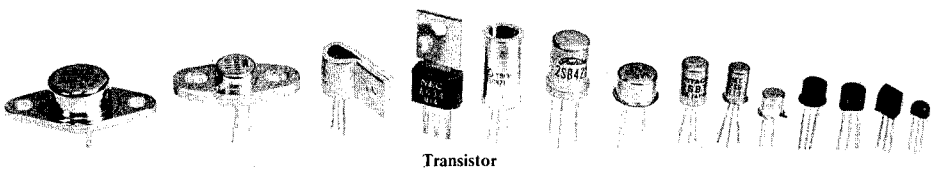
VR

Semi-Fixed Volume

L

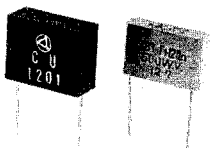
Ferri Inductor

TR



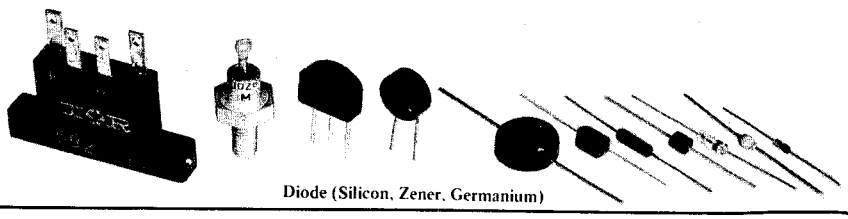
Transistor

CR



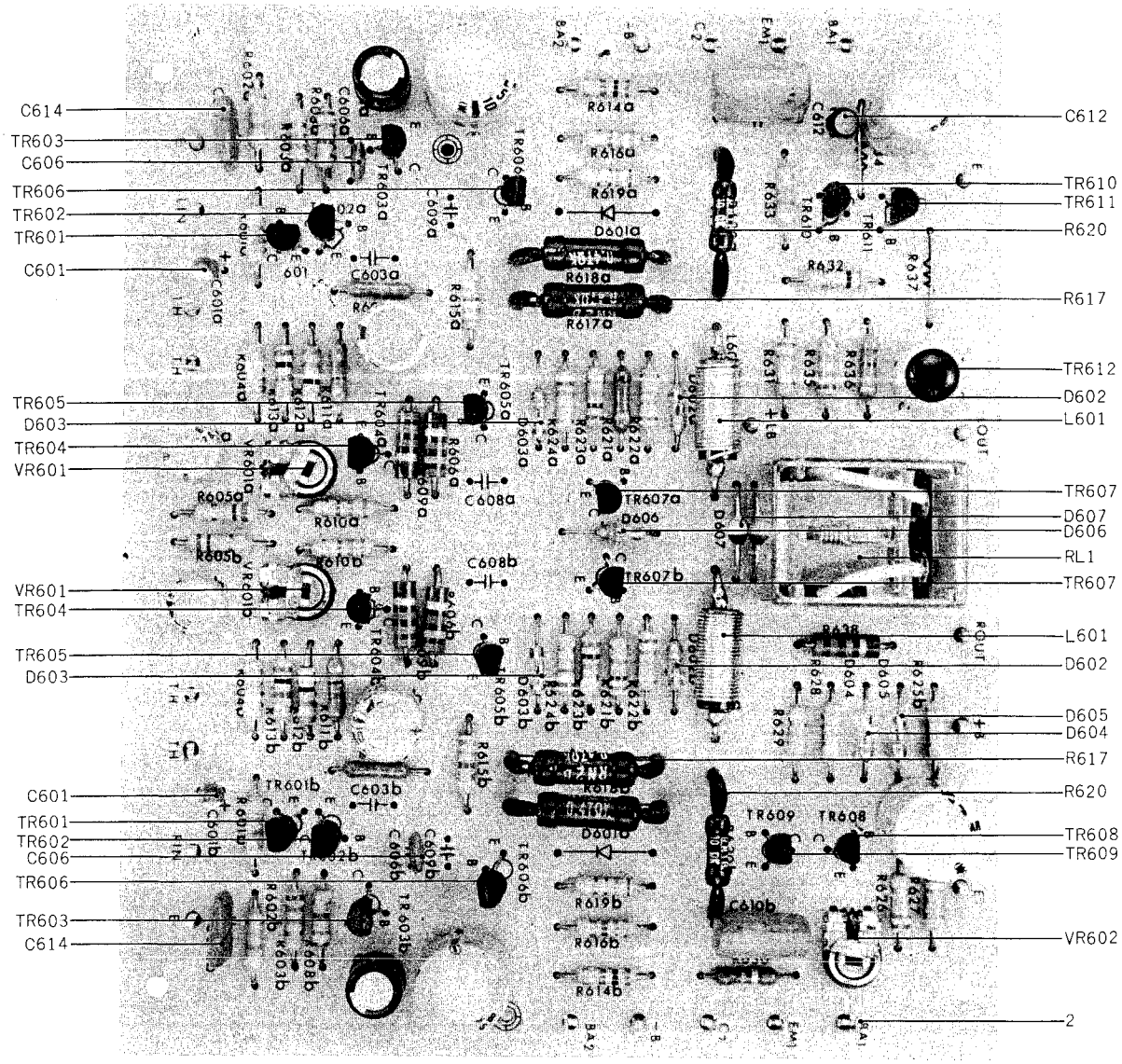
Spark Quencher

D



Diode (Silicon, Zener, Germanium)

FIG. 1 PHOTO OF MAIN AMP. P.C. BOARD (6020-2)



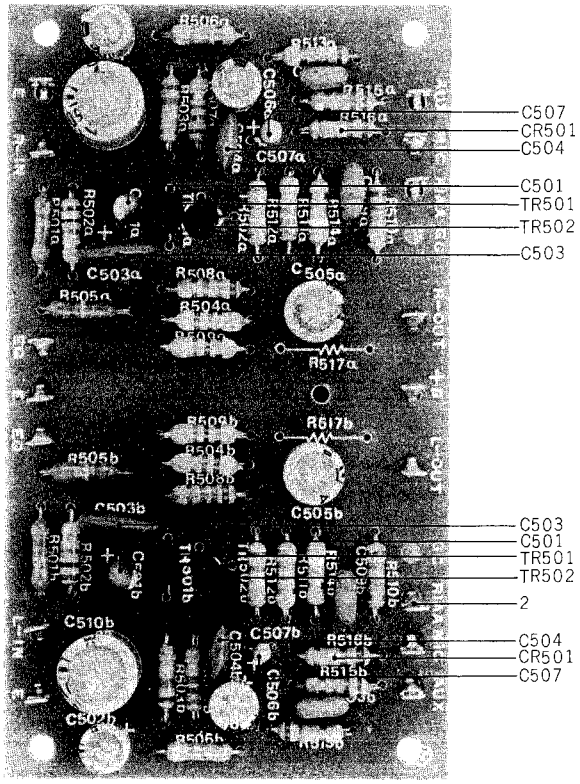
MAIN AMP. P.C. BOARD (6020-2) BLOCK

Symbol No.	Parts No.	Description	Q'ty
1-1x	BA707073	Main Amp. P.C. Board Comp. (6020-2)	1
1-TR601, 2	ET705003	Transistor 2SA666A-S	4
1-TR603	ET705014	Transistor TSC-8002-3BCR	2
1-TR604	ET398788	Transistor 2SC945 (R)	2
1-TR605	ET705014	Transistor TSC-8002-3BCR	2
1-TR606	ET704722	Transistor TSC-9002-3BCR	2
1-TR607	ET705025	Transistor SPS5456	2
1-TR608 to 11	ET399846	Transistor 2SC945 (Q)	4
1-TR612	ET705036	Transistor CDC-8000-IC	1
1-D602 to 6	ED705047	Germanium Diode 1S188AM	7
1-D607	ED315843	Silicon Diode V06C	1
1-VR601, 2	EV705150	Semi-fixed Volume EVN 1kB	3
1-L601	ER704700	Resistor Choke ELQ-6P919	2
1-RL1	EP704698	Relay AP-3422	1
1-2	ZW704193	Pin F3 Type	23
		Capacitor, Vertical Type	
1-C601	EC705104	Tantalum CS15 1.5μF 35WV	2
1-C602	EC335485	Elect. 47μF 16WV	2
1-C604	EC337691	Elect. 33μF 10WV	2
1-C605	EC373296	Elect. 33μF 50WV	2
1-C606	EC704654	Mica Z-12 33PK	2
1-C607	EC450641	Elect. 100μF 50WV	2
1-C610	EC705148	Mylar ECG 0.1μF	2
1-C611	EC705137	Elect. ECE 100μF 25WV	1
1-C612	EC705115	Tantalum CS15 4.7μF 10WV	1
1-C613	EC705126	Elect. 470μF 6WV	1
1-C614	EC704711	Mica Z-18 220PK	2
		Resistor, Insulator Type	
1-R601	ER214290	Carbon RD1/4 4.7k(J)	2
1-R602	ER329308	Carbon RD1/4 47k(J)	2
1-R603	ER364961	Carbon RD1/4 1.2k(J)	2
1-R604	ER430211	Carbon RD1/4 3.9k(J)	2
1-R605	ER345677	Carbon RD1/4 15k(J)	2
1-R606	ER705058	Solid RC1/2W 1.8k(J)	2
1-R607	ER440921	Carbon RD1/4 27k(J)	2
1-R608	ER430288	Carbon RD1/4 680(J)	2
1-R609	ER705060	Solid RC1/2W 2.2k(J)	2

When ordering parts, please describe Parts Number, Serial Number, and Model Number in detail.

Symbol No.	Parts No.	Description	Q'ty
1-R610	ER406034	Carbon RD1/4 220(J)	2
1-R611	ER430301	Carbon RD1/4 820(J)	2
1-R612	ER430290	Carbon RD1/4 82(J)	2
1-R613, 14	ER324808	Carbon RD1/4 100(J)	4
1-R615, 16	ER496181	Carbon RD1/4 270(J)	4
1-R617	ER705071	Metal Oxide Film RN2BK 0.47	2
1-R619	ER704687	Carbon RD1/4 8.2(J)	2
1-R620	ER705082	Metal Oxide Film RN1BK 10	2
1-R621	ER364972	Carbon RD1/4 1.5k(J)	2
1-R622	ER348480	Carbon RD1/4 12k(J)	2
1-R623	ER364972	Carbon RD1/4 1.5k(J)	2
1-R624	ER348480	Carbon RD1/4 12k(J)	2
1-R625	ER345712	Carbon RD1/4 22k(J)	2
1-R626, 27	ER364983	Carbon RD1/4 18k(J)	2
1-R628, 29	ER324685	Carbon RD1/4 33k(J)	2
1-R630	ER704643	Carbon RD1/4 24k(J)	1
1-R631	ER364983	Carbon RD1/4 18k(J)	1
1-R632	ER213647	Carbon RD1/4 10k(J)	1
1-R633	ER214290	Carbon RD1/4 4.7k(J)	1
1-R634	ER214402	Carbon RD1/4 470(J)	1
1-R635	ER329387	Carbon RD1/4 1.8k(J)	1
1-R636	ER430255	Carbon RD1/4 56k(J)	1
1-R638	ER705093	Solid RC1/2W 220(J)	1

FIG. 2 PHOTO OF EQUALIZER AMP. P.C. BOARD (5015)

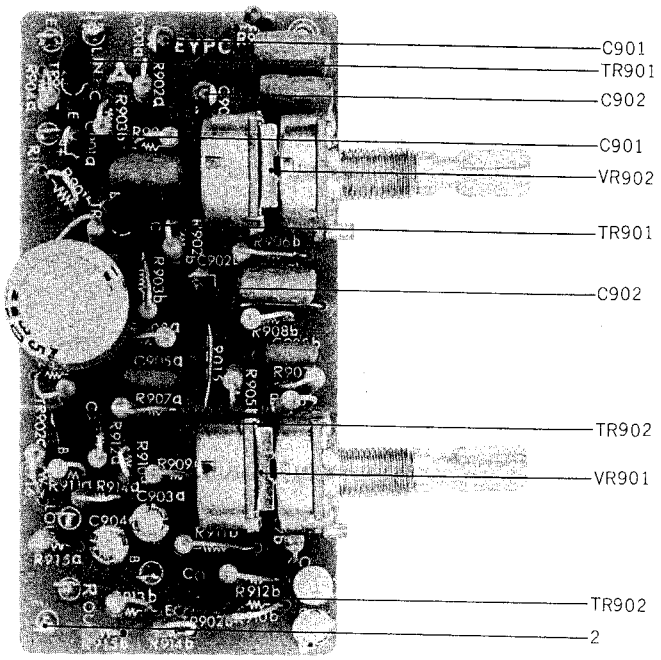


EQUALIZER AMP. P.C. BOARD (5015) BLOCK

Symbol No.	Parts No.	Description	Q'ty
2-1x	BA707062	Equalizer Amp. P.C. Board Comp. (5015)	1
2-TR501	ET399857	Transistor 2SC871(E)	2
2-TR502	ET315472	Transistor 2SC693U(F)	2
2-CR501	ET704665	CR Compound Parts D220PF-68K	2
2-2	ZW704193	Pin F3 Type	14
		Capacitor, Vertical Type	
2-C501	EC704957	Tantalum CS15 3.3μF 25WV	2
2-C502	EC704970	Elect. ECE 10μF 25WV	2
2-C503	EC704621	Mica Z-18 680PK	2
2-C504	EC704610	Mica Z-17 47PK	2
2-C505	EC704981	Elect. ECE 100μF 6.3WV	2
2-C506	EC704970	Elect. ECE 10μF 25WV	2
2-C507	EC704968	Tantalum CS15 0.47μF 35WV	2
2-C508	EC704632	Mylar ECQ 0.0056μFKZ	2
2-C509	EC704744	Mylar ECQ 0.0018μKZ	2
2-C510	EC704992	Elect. ECE 47μF 50WV	2
		Resistor, Insulator Type	
2-R501	ER365005	Carbon RD1/4 82k(J)	2
2-R502	ER324641	Carbon RD1/4 1k(J)	2
2-R503	ER213794	Carbon RD1/4 120k(J)	2
2-R504	ER704597	Carbon RD1/4 910(J)	2
2-R505	ER368223	Carbon RD1/4 270k(J)	2
2-R506	ER329308	Carbon RD1/4 47k(J)	2
2-R507	ER315213	Carbon RD1/4 8.2k(J)	2
2-R508	ER364961	Carbon RD1/4 1.2k(J)	2
2-R509	ER214402	Carbon RD1/4 470(J)	2
2-R510	ER329387	Carbon RD1/4 1.8k(J)	2
2-R511	ER329264	Carbon RD1/4 2.2k(J)	2
2-R512	ER213794	Carbon RD1/4 120k(J)	2
2-R513	ER704608	Carbon RD1/4 820k(J)	2
2-R514	ER364994	Carbon RD1/4 39k(J)	2
2-R515	ER364983	Carbon RD1/4 18k(J)	2

When ordering parts, please describe Parts Number, Serial Number, and Model Number in detail.

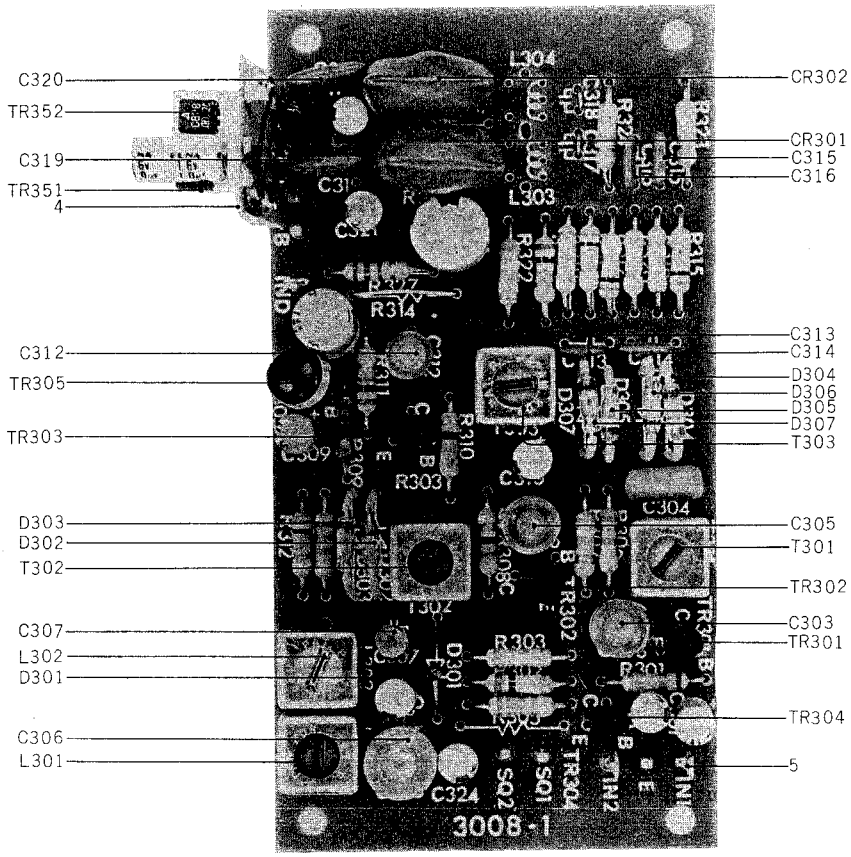
FIG. 3 PHOTO OF TONE CONTROL AMP. P.C. BOARD (9015)



TONE CONTROL AMP. P.C. BOARD (9015) BLOCK

Symbol No.	Parts No.	Description	Q'ty
3-1x	BA707117	Tone Amp. P.C. Board Comp. (9015)	1
3-TR901, 2	ET315472	Transistor 2SC693U(F)	4
3-VR901, 2	EV705328	Volume GM10R-100k Bx2	2
3-2	ZW704193	Pin F3 Type	7
		Capacitor, Vertical Type	
3-C901, 2	EC704823	Tantalum CS15 1.5μF 35WV	4
3-C903, 4	EC450538	Elect. 4.7μF 25WV	4
3-C905	EC705306	Mylar ECQ 0.0012μ	2
3-C906, 7	EC705317	Mylar ECQ 0.047μ	4
3-C908	EC458201	Elect. 330μF 35WV	1
		Resistor, Stopper Type	
3-R901	ER211465	Carbon RD1/4 1k(J)	2
3-R902	ER392850	Carbon RD1/4 390k(J)	2
3-R903	ER362441	Carbon RD1/4 1.8k(J)	2
3-R904	ER347038	Carbon RD1/4 270(J)	2
3-R905	ER362485	Carbon RD1/4 330k(J)	2
3-R906	ER399060	Carbon RD1/4 9.1k(J)	2
3-R907	ER212681	Carbon RD1/4 330(J)	2
3-R908	ER346994	Carbon RD1/4 18k(J)	2
3-R909a	ER336442	Carbon RD1/4 10k(J)	1
3-R909b	ER213647	Carbon RD1/4 10k(J)	1
3-R910	ER430007	Carbon RD1/4 1.5M(J)	2
3-R911	ER213030	Carbon RD1/4 5.6k(J)	2
3-R912	ER306843	Carbon RD1/4 1.2k(J)	2
3-R913	ER347038	Carbon RD1/4 270(J)	2
3-R914	ER349942	Carbon RD1/4 8.2k(J)	2
3-R915	ER345756	Carbon RD1/4 68k(J)	2
3-R916	ER349784	Carbon RD1/4 390(J)	1

FIG. 4 PHOTO OF FM MPX. P.C. BOARD (3008)



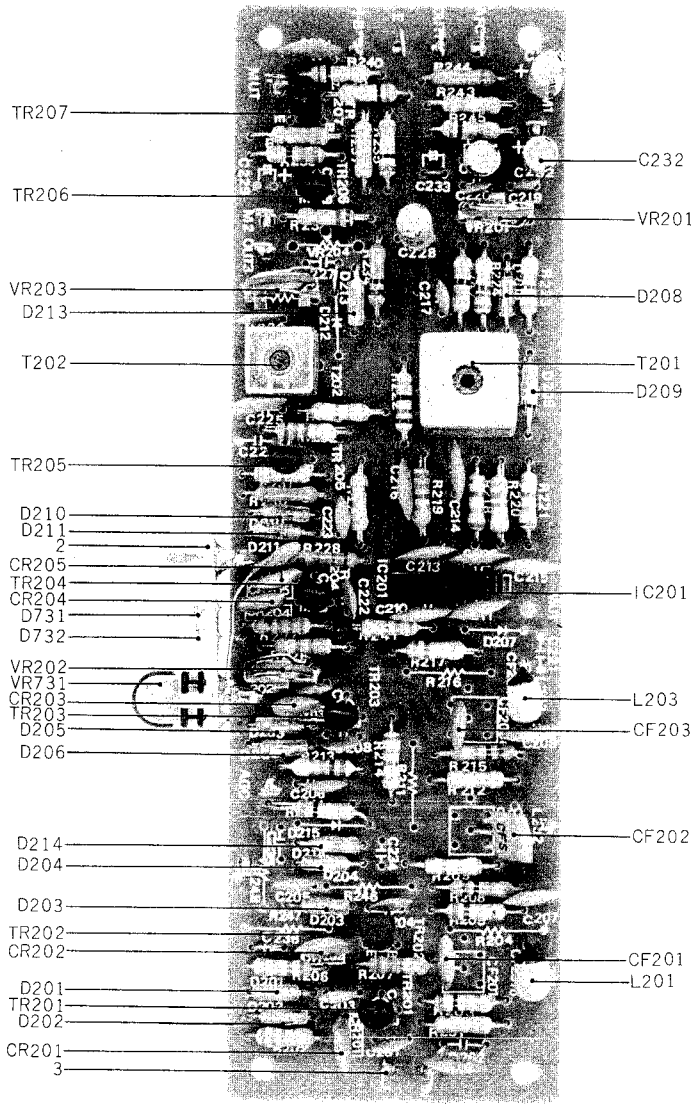
FM MPX. P.C. BOARD (3008) BLOCK

Symbol No.	Parts No.	Description	Q'ty
4-1x	BA706994	FM MPX. P.C. Board Comp. (3008)	1
4-2x	BA707005	FM MPX. P.C. Board Comp. (3008) (J)	1
4-3x	BA702674	FM MPX. P.C. Board Comp. (3008) (L)	1
4-4	EA704428	Meter P.C. Board (7043)	1
4-5	ZW704193	Pin F3 Type	10
4-TR301,2,3	ET402794	Transistor 2SC828(Q)	3
4-TR304	ET234933	Transistor 2SC828(R)	1
4-TR305	ET704226	Transistor CDC-8000-1D	1
4-TR351, 2	ET234933	Transistor 2SC828(R)	2
4-D301	ED704237	Silicon Diode 1S1212	1
4-D302 to 7	ED704035	Germanium Diode 1N34A-YL	6
4-T301	E0704248	Coil (MPX) 311A	1
4-T302	E0704250	Coil (MPX) 309B	1
4-T303	E0704261	Coil (MPX) 305D	1
4-L301	E0704272	Coil (MPX) 312E	1
4-L302	E0704283	Coil (MPX) 313E	1
4-CR301, 2	EI704406	CR Compound Parts F1M-38	2
		Capacitor, Vertical Type	
4-C301, 2	EC704340	Elect. ECE 10μF 16WV	2
4-C303	EC704294	Styrol ECQ 4700PF(J)	1
4-C305	EC704294	Styrol ECQ 4700PF(J)	1
4-C306	EC704316	Styrol ECQ 10000PF(J)	1
4-C307	EC704327	Styrol ECQ 390PF(J)	1
4-C308	EC704351	Elect. ECE 10μF 50WV	1
4-C309	EC704338	Elect. ECE 1μF 50WV	1
4-C310	EC704340	Elect. ECE 10μF 16WV	1
4-C311	EC704362	Elect. ECE 100μF 16WV	1
4-C312	EC704305	Styrol ECQ 2200PF(J)	1

Symbol No.	Parts No.	Description	Q'ty
4-C313, 4	EC704395	Mica Z-12 220PK	2
4-C315, 6	EC704384	Mica Z-12 470PK	2
4-C319, 20	EC704373	Mica Z-18 750PK	2
4-C319, 20	EC702753	Mica Z-17 270PJ(L)	2
4-C321,22,23	EC704338	Elect. ECE 1μF 50WV	3
4-C324	EC704340	Elect. ECE 10μF 16WV	1
4-C325	EC702764	Mylar ECQ 0.033μF	1
4-C351	EC704430	Elect. 10μF 16WV	1
		Resistor, Insulator Type	
4-R301	ER213794	Carbon RD1/4 120k(J)	1
4-R302	ER213715	Carbon RD1/4 100k(J)	1
4-R303	ER334923	Carbon RD1/4 2.7k(J)	1
4-R304	ER315213	Carbon RD1/4 8.2k(J)	1
4-R306	ER315213	Carbon RD1/4 8.2k(J)	1
4-R307	ER364994	Carbon RD1/4 39k(J)	1
4-R308	ER450358	Carbon RD1/4 47(J)	1
4-R309	ER324641	Carbon RD1/4 1k(J)	1
4-R310	ER364950	Carbon RD1/4 330(J)	1
4-R311	ER364972	Carbon RD1/4 1.5k(J)	1
4-R312	ER213647	Carbon RD1/4 10k(J)	1
4-R313	ER214536	Carbon RD1/4 6.8k(J)	1
4-R315	ER213647	Carbon RD1/4 10k(J)	1
4-R316	ER430233	Carbon RD1/4 390k(J)	1
4-R317	ER213647	Carbon RD1/4 10k(J)	1
4-R318	ER430233	Carbon RD1/4 390k(J)	1
4-R319	ER213647	Carbon RD1/4 10k(J)	1
4-R320	ER430233	Carbon RD1/4 390k(J)	1
4-R321	ER213647	Carbon RD1/4 10k(J)	1
4-R322	ER430233	Carbon RD1/4 390k(J)	1
4-R323, 24	ER704417	Carbon RD1 33k(J)	2
4-R327	ER430165	Carbon RD1/4 150(J)	1
4-R352	ER324720	Carbon RD1/4 5.6k(J)	1

When ordering parts, please describe Parts Number, Serial Number, and Model Number in detail.

FIG. 5 PHOTO OF FM IF. P.C. BOARD (2014)



FM IF. P.C. BOARD (2014) BLOCK

Symbol No.	Parts No.	Description	Q'ty
5-1x	BA706983	FM IF. P.C. Board Comp. (2014)	1
5-2	EA704788	Meter P.C. Board (7040)	1
5-3	ZW704193	Pin F3 Type	14
5-IC201	EI704046	I.C. TA-7061AP	1
5-TR201	ET704002	Transistor 2SC710D	1
5-TR202	ET704013	Transistor 2SC710C	1
5-TR203, 4	ET704002	Transistor 2SC710D	2
5-TR205	ET704013	Transistor 2SC710C	1
5-TR206, 7	ET399881	Transistor 2SC711(F)	2
5-D201 to 6	ED704024	Germanium Diode 1S188 FM-1	6
5-D208, 9	ED704035	Germanium Diode 1N34A-YL	2
5-D210, 11	ED704024	Germanium Diode 1S188 FM-1	2
5-D213, 14	ED704024	Germanium Diode 1S188 FM-1	2
5-D731, 32	ED705183	Germanium Diode 1S188FM	2
5-CR201 to 4	EI704057	CR Compound Parts PK1008 PG1010P	4
5-CR205	EI704068	CR Compound Parts PK1008 SG1010P	1
5-CF201,2,3	ER492355	Ceramic Filter CFS-107M	3
5-L201	EO704070	Ferri Inductor FL0710 330MH	1
5-L203	EO704070	Ferri Inductor FL0710 330MH	1
5-T201	ET704081	FM IF. Trans. 211D	1
5-T202	ET704092	FM IF. Trans. 204E	1
5-VR201	EV704103	Semi-fixed Volume EVL-S1A00 20k B	1
5-VR202	EV704114	Semi-fixed Volume EVL-S1A00 5k B	1
5-VR203	EV704103	Semi-fixed Volume EVL-S1A00 20k B	1
5-VR731	EV704790	Semi-fixed Volume EVN-K0AA00 20k B	1
		Capacitor, Vertical Type	
5-C201	EC704125	Ceramic MC-70 0.01Z	1
5-C202	EC704136	Ceramic MC-100 0.04Z	1
5-C203	EC704147	Ceramic SCP-60 0.001M	1
5-C204, 5, 6	EC704125	Ceramic MC-70 0.01Z	3
5-C207	EC704136	Ceramic MC-100 0.04Z	1
5-C208	EC704147	Ceramic SCP-60 0.001M	1
5-C209 to 16	EC704136	Ceramic MC-100 0.04Z	8
5-C217	EC704158	Ceramic FC-60 50PFK	1
5-C218	EC450527	Elect. 4.7μF 25WV	1
5-C219, 20	EC704160	Ceramic FC-50 33PFK	2

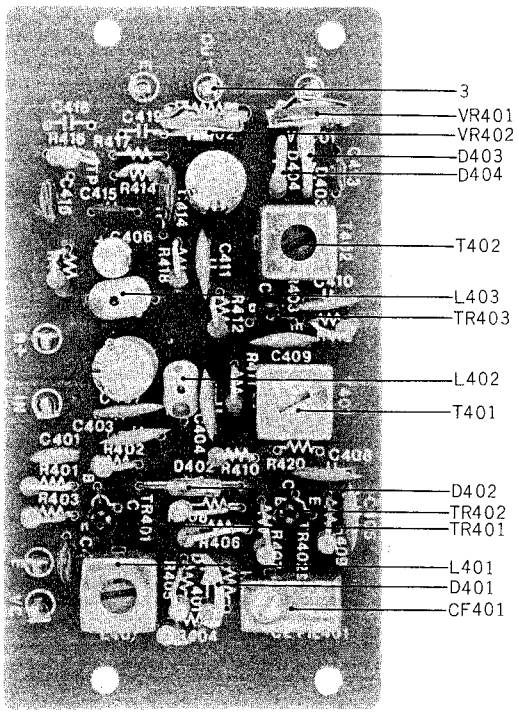
When ordering parts, please describe Parts Number, Serial Number, and Model Number in detail.

Symbol No.	Parts No.	Description	Q'ty
5-C221	EC704171	Ceramic MC-75 0.02Z	1
5-C222, 23	EC704125	Ceramic MC-70 0.01Z	2
5-C225	EC704136	Ceramic MC-100 0.04Z	1
5-C226	EC704171	Ceramic MC-75 0.02Z	1
5-C228	EC338501	Elect. 1μF 50WV	1
5-C231	EC704136	Ceramic MC-100 0.04Z	1
5-C232, 33	EC704182	Alminum Elect. 1μ50WV	2
5-C234	EC704125	Ceramic MC-70 0.01Z	1
5-C731	EC705205	Ceramic FC-70 1000PK	1
5-C732	EC704171	Ceramic MC-75 0.02Z	1
		Resistor, Insulator Type	
5-R201	ER345712	Carbon RD1/4 22k(J)	1
5-R202	ER315213	Carbon RD1/4 8.2k(J)	1
5-R203	ER324641	Carbon RD1/4 1k(J)	1
5-R205	ER364972	Carbon RD1/4 1.5k(J)	1
5-R206	ER324887	Carbon RD1/4 1.6k(J)	1
5-R207	ER406034	Carbon RD1/4 220(J)	1
5-R208	ER324641	Carbon RD1/4 1k(J)	1
5-R209	ER430143	Carbon RD1/4 120(J)	1
5-R210	ER213715	Carbon RD1/4 100k(J)	1
5-R212	ER329264	Carbon RD1/4 2.2k(J)	1
5-R213	ER364972	Carbon RD1/4 1.5k(J)	1
5-R214	ER430143	Carbon RD1/4 120(J)	1
5-R215	ER324641	Carbon RD1/4 1k(J)	1
5-R217	ER364950	Carbon RD1/4 330(J)	1
5-R218	ER430143	Carbon RD1/4 120(J)	1
5-R219, 20	ER496181	Carbon RD1/4 270(J)	2
5-R221	ER430143	Carbon RD1/4 120(J)	1
5-R222	ER356501	Carbon RD1/4 56(J)	1
5-R223, 24	ER430288	Carbon RD1/4 680(J)	2
5-R225	ER406034	Carbon RD1/4 220(J)	1
5-R226	ER334923	Carbon RD1/4 2.7k(J)	1
5-R227	ER329264	Carbon RD1/4 2.2k(J)	1
5-R228	ER364972	Carbon RD1/4 1.5k(J)	1
5-R229	ER364994	Carbon RD1/4 39k(J)	1
5-R230	ER214536	Carbon RD1/4 6.8k(J)	1
5-R231	ER406034	Carbon RD1/4 220(J)	1
5-R232	ER427950	Carbon RD1/4 180(J)	1
5-R234	ER324641	Carbon RD1/4 1k(J)	1
5-R235	ER213715	Carbon RD1/4 100k(J)	1
5-R236	ER430290	Carbon RD1/4 82(J)	1
5-R237, 38	ER345712	Carbon RD1/4 22k(J)	2
5-R239, 40	ER213647	Carbon RD1/4 10k(J)	2
5-R241	ER406034	Carbon RD1/4 220(J)	1
5-R242	ER450358	Carbon RD1/4 47(J)	1
5-R243	ER365016	Carbon RD1/4 220k(J)	1
5-R244	ER345756	Carbon RD1/4 68k(J)	1
5-R245	ER213647	Carbon RD1/4 10k(J)	1
5-R251	ER704204	Carbon RD1/4 56k(J)	1

AM IF. P.C. BOARD (4009) BLOCK

Symbol No.	Parts No.	Description	Q'ty
6-1x	BA707027	AM IF. P.C. Board Comp.(4009)	1
6-2x	BA707038	AM IF. P.C. Board Comp. (4009) (H)	1
6-TR401,2,3	ET704463	Transistor 2SC930D	3

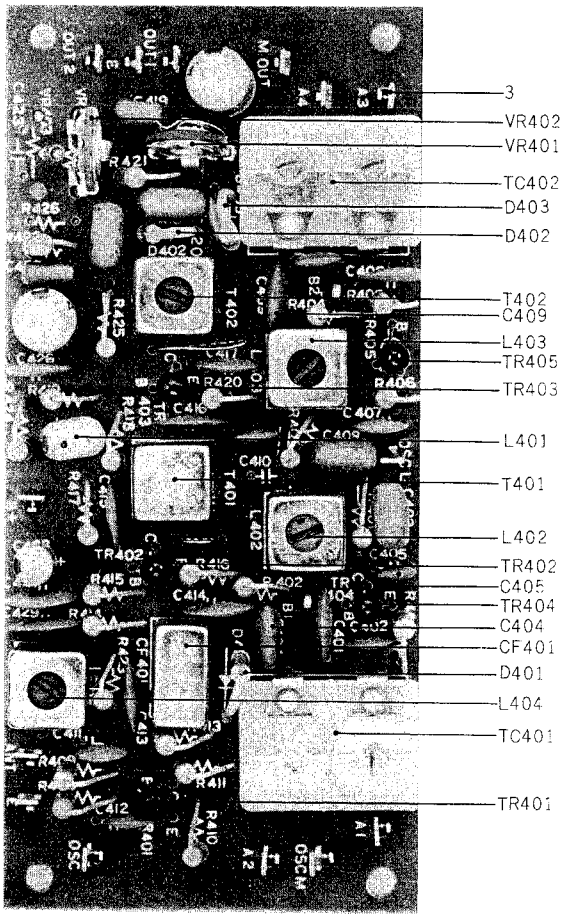
FIG. 6 PHOTO OF AM IF. P.C. BOARD (4009)



Symbol No.	Parts No.	Description	Q'ty
6-D401 to 4	ED704474	Germanium Diode 1S188 FM1	4
6-VR401, 2	EV704564	Semi-fixed Volume EVL S1AA00 20k B	2
6-CF401	ER704485	Ceramic Filter CFZ-455C	1
6-CF401	ER704575	Ceramic Filter CFZ-032A (H)	1
6-L401	EO704507	OSC Coil 402L	1
6-L402, 3	EO704496	Ferri Inductor LTB-100	2
6-T401	BT704518	AM IF. Trans. 403B	1
6-T402	BT704520	AM IF. Trans. 401D	1
6-3	ZW704193	Pin F3 Type	7
		Capacitor, Vertical Type	
6-C401	EC704125	Ceramic MC-70 0.01Z	1
6-C402	EC706410	Mylar MFL 0.01μF(K)	1
6-C403, 4, 5	EC704136	Ceramic MC-100 0.04Z	3
6-C406	EC704542	Elect. ECE 4.7μF 25WV	1
6-C407 to 11	EC704136	Ceramic MC-100 0.04Z	5
6-C412	EC704553	Elect. ECE 47μF 16WV	1
6-C413	EC706408	Mylar MFL 0.001μF(K)	1
6-C414	EC706421	Mylar MFL 0.015μF(K)	1
6-C415	EC706432	Mylar MFL 0.0047μF(K)	1
6-C416	EC706443	Mylar 0.012μF(K)	1
6-C417	EC704553	Elect. ECE 47μF 16WV	1
		Resistor, Stopper Type	
6-R401	ER349942	Carbon RD1/4 8.2k(J)	1
6-R402	ER350100	Carbon RD1/4 68k(J)	1
6-R403	ER362441	Carbon RD1/4 1.8k(J)	1
6-R404	ER211667	Carbon RD1/4 100(J)	1
6-R405	ER361563	Carbon RD1/4 180(J)	1
6-R406	ER213467	Carbon RD1/4 820(J)	1
6-R408, 9	ER362441	Carbon RD1/4 1.8k(J)	2
6-R410	ER211465	Carbon RD1/4 1k(J)	1
6-R411	ER349942	Carbon RD1/4 8.2k(J)	1
6-R412	ER357535	Carbon RD1/4 39k(J)	1
6-R413, 14	ER304402	Carbon RD1/4 470(J)	2
6-R415	ER306887	Carbon RD1/4 15k(J)	1
6-R416	ER346601	Carbon RD1/4 47k(J)	1
6-R418	ER211465	Carbon RD1/4 1k(J)	1

When ordering parts, please describe Parts Number, Serial Number, and Model Number in detail.

FIG. 7 PHOTO OF AM IF. P.C. BOARD (4013)



AM IF. P.C. BOARD (4013) BLOCK (L)

Symbol No.	Parts No.	Description	Q'ty
7-1x	BA702808	AM IF. P.C. Board Comp. (4013) (L)	1
7-2x	BA702810	AM IF. P.C. Board Comp. (4013) (L-H)	1
7-TR401	ET702516	Transistor 2SC1047C	1
7-TR402 to 5	ET704463	Transistor 2SC930D	4
7-D401, 2, 3	ED704024	Germanium Diode 1S188 FM-1	3
7-VR401, 2	EV704103	Semi-fixed Volume EVL-S1A00 20k B	2
7-CF401	ER704485	Ceramic Filter CFZ-455C	1
7-CF401	ER704575	Ceramic Filter CFZ-032A (H)	1
7-L401	EO704496	Ferri Inductor LTB-100	1
7-L402	EO702527	OSC Coil 405L(MW)	1
7-L403	EO702538	OSC Coil 409L(LW)	1
7-L404	EO702663	Trap Coil 401E	1
7-T401	BT702540	FM IF. Trans. 401B	1
7-T402	BT702551	FM IF. Trans. 401D	1
7-3	ZW704193	Pin F3 Type	16
		Capacitor, Vertical Type	
7-C401	EC704136	Ceramic MC-100 0.04Z	1
7-C402	EC704125	Ceramic MC-70 0.01Z	1
7-C403	EC702652	Mylar ECQ-M05 103KZ	1
7-C404	EC706342	Mica Z-17 360P	1
7-C405	EC702595	Mica Z-11 22PK	1
7-C406	EC704136	Ceramic MC-100 0.04Z	1
7-C407	EC704171	Ceramic MC-75 0.02Z	1
7-C408	EC702628	Mylar ECQ-MO5 153KZ	1
7-C409	EC702584	Mica Z-17 150PJ	1
7-C410	EC702606	Mica Z-11 47PK	1
7-C411, 12	EC704125	Ceramic MC-70 0.01Z	2
7-C413 to 17	EC704136	Ceramic MC-100 0.04Z	5
7-C418	EC702628	Mylar ECQ-MO5 153KZ	1
7-C419	EC702617	Mylar ECQ-MO5 472KZ	1
7-C420	EC702573	Ceramic SCY-85 0.001	1
7-C421	EC702628	Ceramic ECQ-MO5 153KZ	1
7-C422	EC704744	Mylar ECQ 0.0018μKZ	1
7-C424, 25	EC704553	Elect. ECE 47μF 16WV	2
7-C426, 27	EC704136	Ceramic MC-100 0.04Z	2
7-C428	EC704542	Elect. ECE 4.7μF 25WV	1
7-C429	EC704136	Ceramic MC-100 0.04Z	1
7-C430	EC702606	Mica Z-11 47PK	1
7-C432	EC702630	Mica Z-11 1P	1
7-C451, 2	EC704136	Ceramic MC-100 0.04Z	2
7-TC401	EC702641	Trimmer AT2-5W	1
7-TC402	EC702562	Trimmer AT2-5W	1
		Resistor, Stopper Type	
7-R401	ER342933	Carbon RD1/4 27k(J)	1
7-R402	ER349942	Carbon RD1/4 8.2k(J)	1
7-R403	ER304402	Carbon RD1/4 470(J)	1
7-R404	ER346601	Carbon RD1/4 47k(J)	1
7-R405	ER349942	Carbon RD1/4 8.2k(J)	1
7-R406	ER361980	Carbon RD1/4 620(J)	1
7-R407	ER433877	Carbon RD1/4 120(J)	1
7-R408	ER357491	Carbon RD1/4 82k(J)	1
7-R409	ER349942	Carbon RD1/4 8.2k(J)	1
7-R410	ER357456	Carbon RD1/4 2.2k(J)	1
7-R411	ER211667	Carbon RD1/4 100(J)	1
7-R413	ER357535	Carbon RD1/4 39k(J)	1
7-R414	ER211757	Carbon RD1/4 100k(J)	1
7-R415	ER362441	Carbon RD1/4 1.8k(J)	1
7-R416	ER211320	Carbon RD1/4 1.5k(J)	1
7-R417	ER211465	Carbon RD1/4 1k(J)	1
7-R418	ER349942	Carbon RD1/4 8.2k(J)	1
7-R419	ER357535	Carbon RD1/4 39k(J)	1
7-R420, 21	ER304402	Carbon RD1/4 470(J)	2
7-R422	ER346601	Carbon RD1/4 47k(J)	1
7-R423	ER213467	Carbon RD1/4 820(J)	1
7-R424	ER211667	Carbon RD1/4 100(J)	1
7-R425	ER306887	Carbon RD1/4 15k(J)	1

FIG. 8 PHOTO OF
POWER SUPPLY P.C. BOARD (8015)

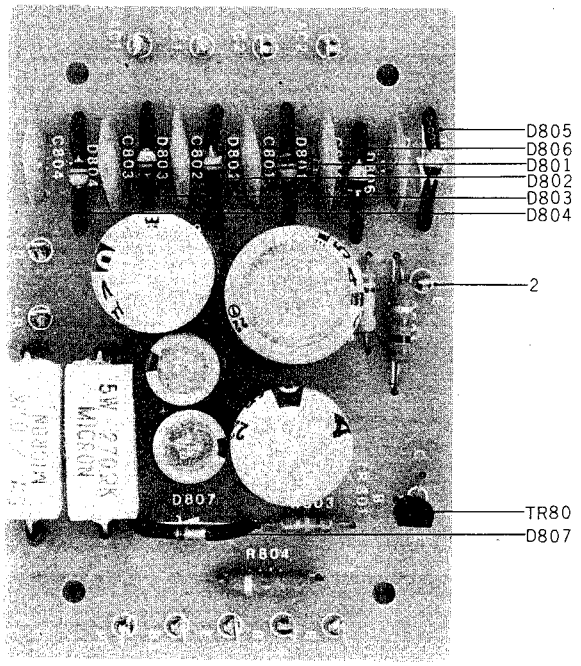
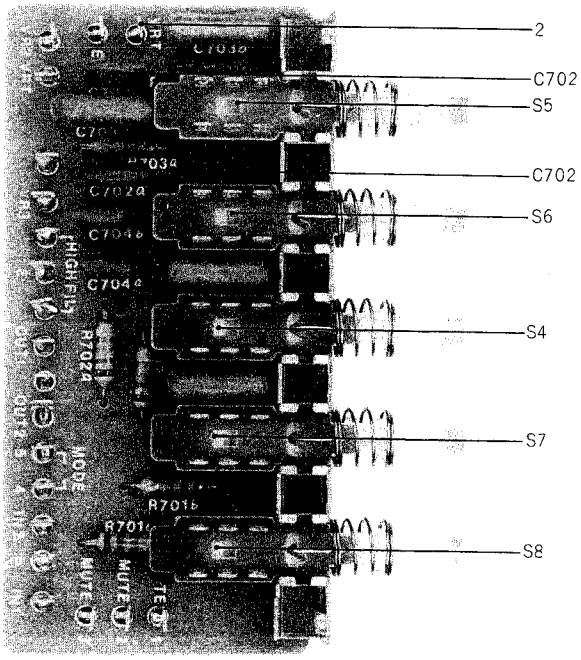


FIG. 9 PHOTO OF
SWITCH P.C. BOARD (7036-2)



POWER SUPPLY P.C. BOARD (8015) BLOCK

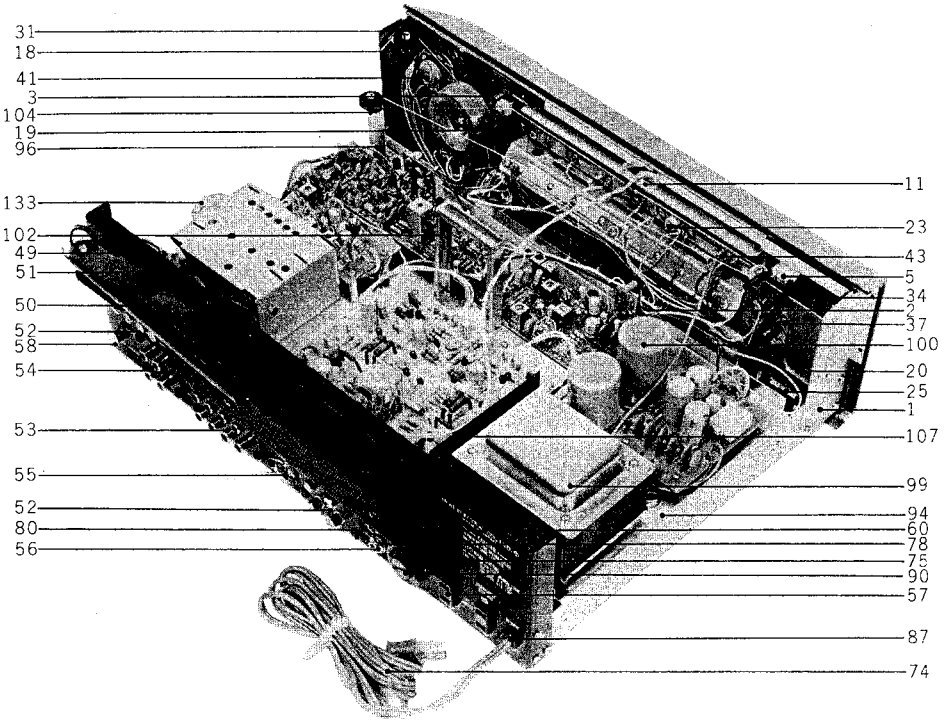
Symbol No.	Parts No.	Description	Q'ty
8-1x	BP707106	Power Supply P.C. Board Comp. (8015)	1
8-TR801	ET495415	Transistor 2SC1211(D)	1
8-D801 to 4	ED421795	Silicon Diode VO3C	4
8-D805, 6	ED315843	Silicon Diode VO6C	2
8-D807	ED705216	Zener Diode BZ-120	1
8-2	ZW704193	Pin F3 Type	12
		Capacitor, Vertical Type	
8-C801 to 6	EC705251	Ceramic CKZ 0.01YZ	6
8-C807	EC705262	Elect. 470μF 50WV	1
8-C808	EC704992	Elect. ECE 47μF 50WV	1
8-C809	EC705284	Elect. ECE 220μF 50WV	1
8-C810	EC705295	Elect. ECE 220μF 16WV	1
8-C811	EC704992	Elect. ECE 47μF 50WV	1
		Resistor, Insulator Type	
8-R801	ER705227	Carbon RD1/4W 100(J)	1
8-R802	ER345677	Carbon RD1/4 15k(J)	1
8-R803	ER368223	Carbon RD1/4 270k(J)	1
8-R804	ER705238	Carbon RD1/2W 120(J)	1
8-R805, 6	ER705240	Cement 5W 270	2

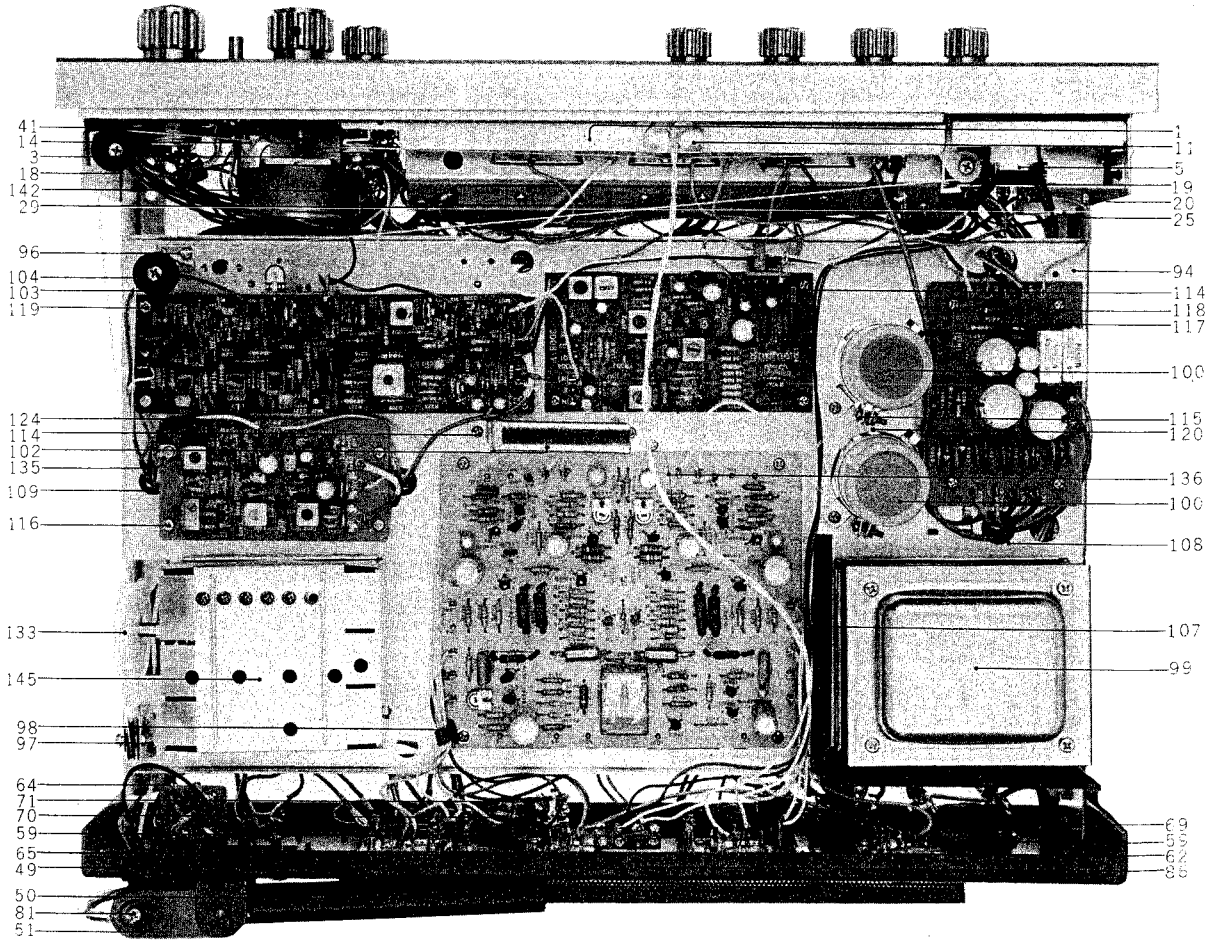
SWITCH P.C. BOARD (7036-2) BLOCK

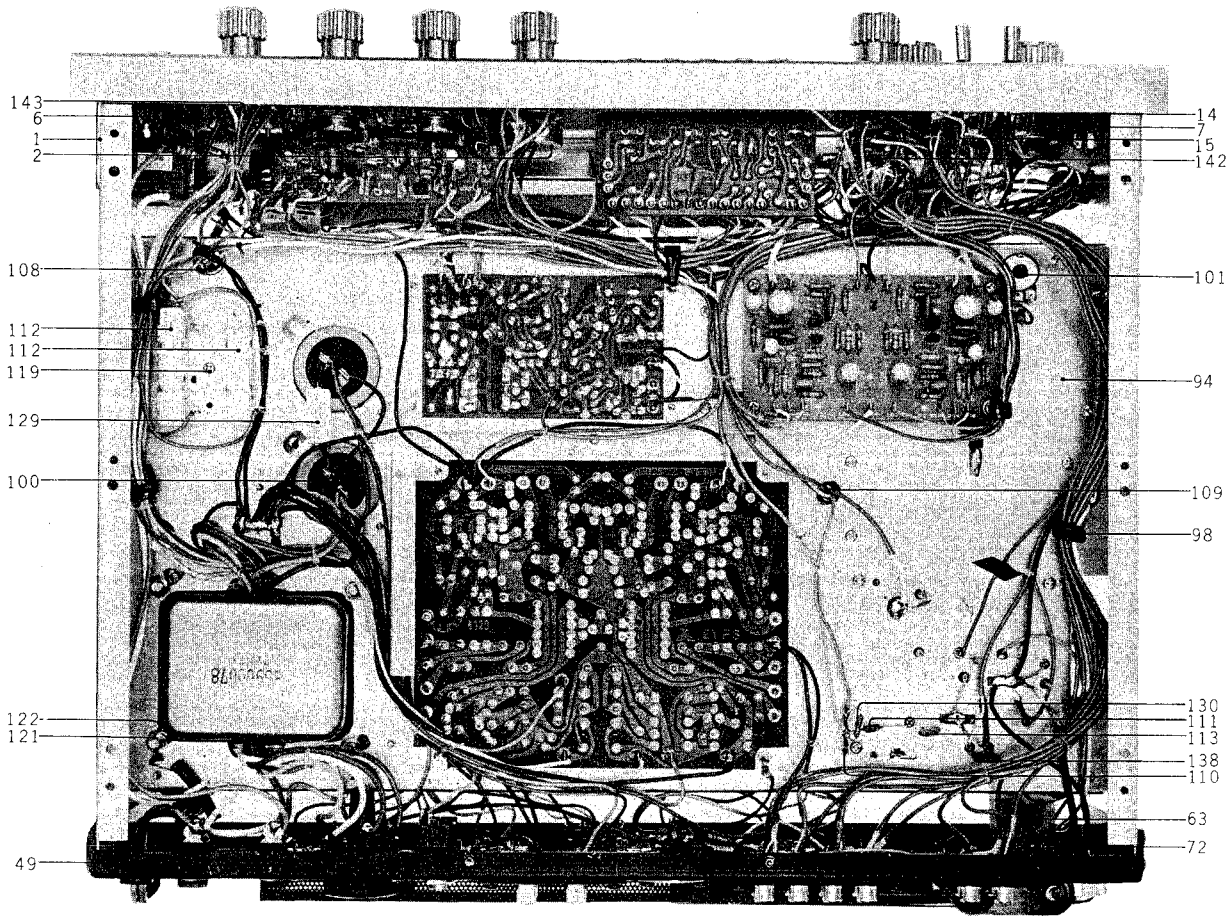
Symbol No.	Parts No.	Description	Q'ty
9-1x	BA707084	Switch P.C. Board Comp. (7036-2)	1
9-S4 to 8	ES704755	Push Switch 5FS-10U-79	1
9-2	ZW704193	Pin F3 Type	20
9-3x	BZ704766	Push Switch Shield Plate	1
		Capacitor, Vertical Type	
9-C701	EC705161	Mylar ECQ 0.056μ	2
9-C702	EC704777	Mica Z-17 560PK	2
9-C703	EC705161	Mylar ECQ 0.056μ	2
9-C704	EC705172	Mylar ECQ 0.0033μ	2
9-C751	EC704711	Mica Z-18 220PK	2
		Resistor, Insulator Type	
9-R701	ER324720	Carbon RD1/4 5.6k(J)	2
9-R702	ER704608	Carbon RD1/4 820k(J)	2
9-R703	ER315213	Carbon RD1/4 8.2k(J)	2
9-R704	ER464297	Carbon RD1/4 330k(J)	2

When ordering parts, please describe Parts Number, Serial Number, and Model Number in detail.

FIG. 10 (A,B,C) PHOTO OF ASSEMBLY BLOCK







ASSEMBLY BLOCK

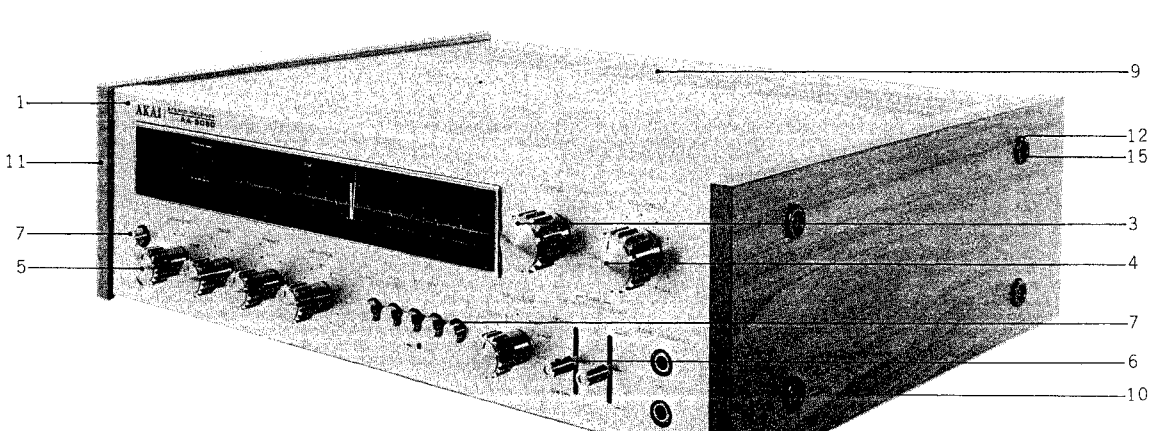
Ref. No.	Parts No.	Description	Schematic No.	Q'ty
		FRONT CHASSIS BLOCK		
10-1	AA705508	Front Chassis AA-8080	03028004	1
10-2	EV705510	Volume GJ10A100KMN	VR552	1
10-3	AA705521	Dial Shaft, w/wheel	23024001	1
10-4x	EM705532	Meter (signal)	M1	1
10-5	EM705543	Meter (tuning)	M2	1
10-6	EJ705554	2P Head Phone Jack SG7615-18	J2-4	1
10-7	EJ705565	3P Head Phone Jack SG7702-02	J1	2
10-8x	AA705576	Glass Mt. Rubber	74058001	2
10-9x	AA705587	Glass Mt. Metal	63157002	2
10-10x	AA705598	Dial Filter	84093001	1
10-11	AA705600	Indicator	25019001	1
10-12x	AA705611	Indicator Mylar Plate 26x26x0.16	84087001	1
10-13x	AA705622	Glass Spacer B	84027001	4
10-14	ES705655	Lever Switch EVL-1891S	SW3	1
10-15	ES705666	Lever Switch EVL-1892S	SW2	1
10-16x	AA705677	Spacer L=4	55048001	4
10-17x	ZW705688	Half Screw E	24003001	3
10-18	AA705690	Pulley	84085001	1
10-19	AA705701	Resin Pulley (white)	84010001	2
10-20	AA705712	Meter Mt. Metal	63184002	1
10-21x	EL705723	Lamp (bar type) 8V 0.25A	37008019	4
10-22x	EL705734	Lamp (bar type) 8V 0.1A	37008016	5
10-23	EL705745	Lamp (S) 8V 0.1A	37008017	1
10-24x	AA705756	Insulator Fiber #9015	75022001	1
10-25	ES705767	Push Switch UEH120A	S4-6	1
10-26x	AA705778	Spacer L=15	55045001	2
10-27x	EC705161	Mylar ECQ 0.056μ	R552	1
10-28x	ER345756	Carbon RD1/4 68k(J) (Insu. type)	R551	1
10-29	ZW705780	Tapping Screw #2 3x6(pan)	40130061	11
10-30x	ZW417352	Screw, pan head 3x6		2
10-31	ZW424620	Screw, pan head 3x10		4
10-32x	ZW705802	Washer A	42100004	2
10-33x	ZW705813	Washer B	42100005	1
10-34	AA705824	Meter Filter	84086003	2
10-35x	AA705835	Meter Filter B	73110001	2
10-36x	AA705846	Meter Cushion Sponge	74067001	2
10-37	AA705857	Fuse Holder S-NO105	34005001	2
10-38x	AA702786	Fuse Holder (L)	34005002	2
10-39x	EL705868	Lamp (bar type) 8V 0.25A	37008006	2
10-40x	AA705870	PL Brushing	74001002	1
10-41	EV705881	Volume GJ20T100k Bx2	VR553	1
10-42x	AA705892	Spacer L=8	55040001	2
10-43	ZW704193	Pin F3 Type	19004001	14
10-44x	ZW706577	Washer (ZMC3) 3S	42120321	4
10-45x	ZW705903	Insulator Washer 15x9x0.25S	75029001	1
10-46x	AA705936	Dial Scale Plate	20045001	1
10-47x	AA705947	Dial Scale Plate (J)	20049001	1
10-48x	AA702832	Dial Scale Plate (L)	20056001	1
		REAR CHASSIS BLOCK		
10-49	AA704834	Rear Chassis	11054001	1
10-50	AA704845	Bar Antenna L-451	35400262	1
10-51	AA704856	Bar Antenna Mt. Metal	63186003	1
10-52	AA704867	4P Screw Terminal	53041600	2
10-53	EJ379023	8P Pin-jack S-Q 3654	31-1-70	1
10-54	EJ298607	4P Jack	31-1-10	1
10-55	EJ299316	5P Din-jack	31-1-24	1
10-56	AA704878	2P Head Phone Jack S-G7615-01	33020600	2
10-57	EJ704880	Power Socket XS-057-1-2	34040001	2

When ordering parts, please describe Parts Number, Serial Number, and Model Number in detail.

Ref. No.	Parts No.	Description	Schematic No.	Q'ty
10-58	EZ704891	Earth Terminal X-PO701	53012300	1
10-59	AA704902	Socket. Transistor S-A3915	34011002	4
10-60	ET705330	Transistor 2SC1030B (Power)	TR654	4
10-61x	ED705341	Thermister SDT-04	TH601	2
10-62	AA704913	Thermister Mt. Metal	63162001	2
10-63	BT704935	Balum Trans. AT0867 RDQB-402-33	L152	1
10-64	ZW704193	Pin F3 Type	19004001	2
10-65	EJ705352	Lug Plate 2P1L	51031001	3
10-66x	ZW706555	Washer 3x10	42100008	1
10-67x	ZW705363	Earth Lug M3	51036001	1
10-68x	ZW705374	Toothed Lock Washer (outside)	42380331	1
10-69	EI704946	CR Compound Parts CU120033	43000013	1
10-70	ER364983	Carbon/R. RD1/4 18k (J) (Insu. type)	R551	4
10-71	ER345756	Carbon/R. RD1/4 68k (J) (Insu. type)	R552	4
10-72	AA705385	Cord Stopper CU120033	74035001	1
10-73x	AA705396	Blind Rivet AC4-4A	18004001	4
10-74	EZ374894	U/L AC Cord 3M	26-3-19	1
10-75	AA706566	Transistor Panching Cover	06004002	1
10-76x	ZW705420	Tapping Screw #2 3x8 (binding)	40630081	19
10-77x	ZW705431	Tapping Screw #2 3x8 (pan)	40130081	10
10-78	ZW393726	Screw, truss head 3x10		2
10-79x	ZW706577	Washer (ZMC3) 3S	42120321	4
10-80	ZW413785	Screw, binding head 3x12		8
10-81	ZW705442	Screw, pan head 4x22	40340221	1
10-82x	ZW413188	Nut, M4		1
10-83x	ZW516611	Nut, M3		1
10-84x	ER705453	Solid/R. RC1/2 2.2M (J)	R851	1
10-85x	ZW705464	Tapping Screw #3 3x10 (binding)	40000024	1
10-86	ER706476	Metal Oxide Film/R. RN1/2W 8.2	R825	1
10-87	EZ382263	Strain Relief SR-4K-4	2-7-12	1
10-88x	EZ2246936	Strain Relief SR-6W-1 (3 core)	2-7-8	1
10-89x	EZ315448	Australia Cord (3 core)	26-3-11	1
10-90	AA706364	Volt Selector S-17205-2	34004001	1
10-91x	ZW706770	Screw, binding head 3x10	40430105	2
10-92x	EF444183	Fuse 1.5A 250V	39-1-41	1
10-93x	EF323616	Fuse ST-2 3A (US, J)	39-1-26	1
	MAIN CHASSIS BLOCK			
10-94	AA705958	Main Chassis	01039001	1
10-95x	AA702911	Main Chassis (L)	01046001	1
10-96	AA705960	Pulley Mt. Metal C	63115001	1
10-97	AA705971	Pulley Mt. Metal G	63187002	1
10-93	AA705982	Wire Fitting Metal	63075001	7
10-99	BT705993	Power Trans.	35900078	1
10-100	EC706004	Elect./C. ECE 220μF 35WV (Block type)	64244338	2
10-101	EV706533	Semi-fixed Volume 5 kB	28100032	1
10-102	AA706015	Bonnet Supporting Metal	63185001	1
10-103	ZW705688	Half Screw E	24003001	2
10-104	AA705690	Pulley (black)	84085001	2
10-105x	AA706544	Spacer	55023001	8
10-106x	AA706026	Spacer L=10	55007001	8
10-107	AA706037	P.T. Shield Plate	09012002	1
10-108	AA706048	Snap Bushing SB500-6	74037001	2
10-109	AA706050	Snap Bushing SB375-4	74036001	2
10-110	EJ705352	Lug Plate 2P1L	51031001	1
10-111	EO706061	Choke Coil SPO426L 100K	L151	1
10-112	ER706072	Cement/R. 10W 2	R652	2
10-113	EC704136	Ceramic/C. MC-100 0.04Z	C151	3
10-114	ZW705431	Tapping Screw #2 3x8 (pan)	40130081	22
10-115	ZW706634	Tapping Screw #3 3x12 (pan)	40000020	2
10-116	ZW705791	Screw, pan head 3x6	40000019	4
10-117	ZW706645	Tapping Screw #2 3x15 (pan)	40130151	2
10-118	ZW706656	Tapping Screw #3 3x18 (pan)	40000022	2
10-119	ZW706667	Screw, pan head 3x5	40330051	16
10-120	ZW516611	Nut, M3		5
10-121	ZW413188	Nut, M4		4
10-122	ZW706678	Washer (ZMC) 4S	42120421	4
10-123x	ZG706680	Spring Washer (ZMC3) 4S	42250441	4
10-124	EC706342	Mica/C. Z-17 360P	C451	1
10-125x	ZW705363	Earth Lug M3	51036001	1
10-126x	ZW705374	Toothed Lock Washer (outside)	42380331	2
10-127x	ZW706691	Earth Lug M4	51030001	1
10-128x	ZW706702	Toothed Lock Washer M4	42380431	1
10-129	ER706713	Cement/R. 5W 750	R852	1
10-130	ER364948	Carbon/R. RD1/4 3.3k (J) (Insu. type)	R351	1
10-131x	EC706320	Mylar/C. ECQ 0.0022μ	C551	1
10-132x	ZG706724	Spring B	19029001	1
10-133	AA706735	Dial Drum	21007001	1
10-134x	ER496181	Carbon/R. RD1/4 270 (J) (Insu. type)	R151	1
10-135	EJ706746	Lug Plate 1L1P	51027001	1
10-136	ZW706757	Spring (S)	19017001	1
10-137x	ZW706768	Washer	75013001	1
10-138	EC706353	Mica/C. Z-18 1000P	C151	1
10-139x	EC706375	Ceramic/C. FC50 6P	C451	1
10-140x	EC706386	Ceramic/C. FC50 12P	C452	1
10-141x	EC704621	Mica/C. Z-18 680PK	C453	2
10-142	ES706083	Rotary Switch F-5135	S1	1
10-143	ES706094	Rotary Switch F-144	S7	1
10-144x	ER706105	Solid/R. RC1/2W 270 (J)	R651	2
10-145	AF706950	Front End Comp.		1
10-146x	AF706961	Front End Comp. (J)		1
10-147x	AA708478	Bar Antenna L-451-L	35400262	1

When ordering parts, please describe Parts Number, Serial Number, and Model Number in detail.

FIG. 11 PHOTO OF CASE BLOCK



CASE BLOCK

Ref. No.	Parts No.	Description	Schematic No.	Q'ty
11-1	SP706263	Front Panel	10082002	1
11-2x	SP702933	Front Panel (L)	10089001	1
11-3	AA706274	Knob D28, without plot	29090002	1
11-4	AA706285	Knob D28, w/plot	29091002	1
11-5	AA706296	Knob D21	29089002	5
11-6	AA706781	Lever Switch Knob	29088001	2
11-7	AA706792	Power Switch Knob	29092001	6
11-8x	AA706307	Bottom Plate	05029002	1
11-9	AA706825	Bonnet	70012001	1
11-10	AA706836	Side Plate (R)	04010001	1
11-11	AA706847	Side Plate (L)	04009001	1
11-12	ZW706858	Spot Facing Washer B	84092001	4
11-13x	AA706318	Resin Foot, w/#4 biss	84091001	4
11-14x	ZW705420	Tapping Screw #2 3x8 (binding)	40630081	3
11-15	ZW413245	Screw, pan head 4x15		12
11-16x	AA706893	Panel Mt. Metal	63211001	1
11-17x	AA706241	Panel Fiber	84111002	2
11-18x	ZW706678	Washer (ZMC) 4S	42120421	4
11-19x	AA706252	Panel Protector Plate	74031001	1
11-20x	AA707681	Lever Knob D21 (L)	29118001	1
11-21x	EF323616	Fuse ST-2 3A	39-1-26	1
11-22x	EF444183	Fuse 1.5A 250V	39-1-41	1
11-23x	AA706217	Di-pole Antenna	62120001	1
11-24x	AA706915	Di-pole Antenna	62120002	1

SECTION 3

PARTS LIST

MODEL AA-8030, 8030L

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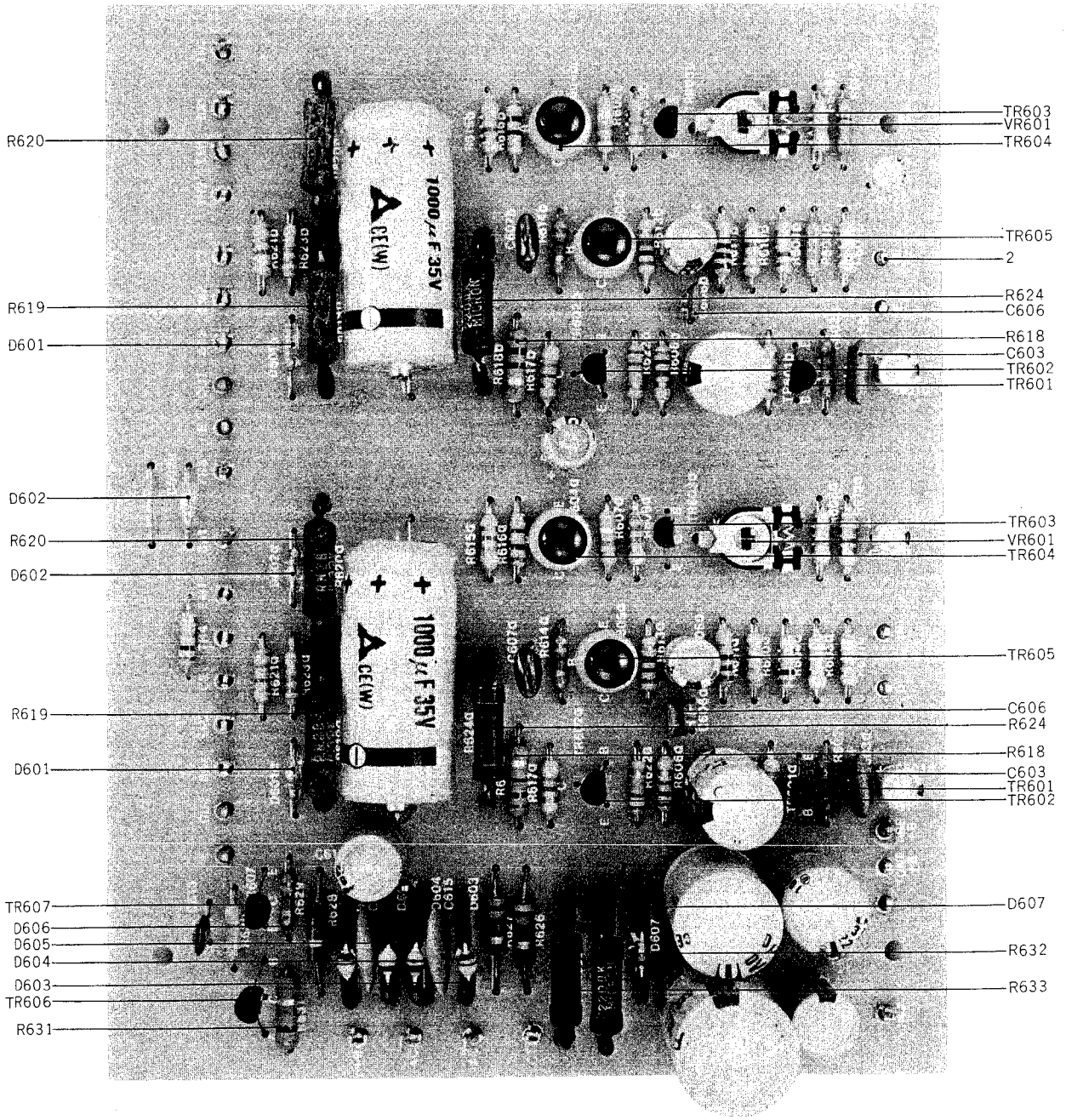
FIG. 12 PHOTO OF MAIN AMP. P.C. BOARD (6023)



MAIN AMP. P.C. BOARD (6023) BLOCK

Symbol No.	Parts No.	Description	Q'ty
12-1x	BA708085	Main Amp. P.C. Board Comp. (6023)	1
12-TR601	ET705003	Transistor 2SA666A-S	2
12-TR602	ET703168	Transistor 2SC1318 (Q)	2
12-TR603	ET495483	Transistor 2SC945 (P)	2
12-TR604	ET703170	Transistor TSC-8002-3BC	2
12-TR605	ET703181	Transistor TSC-9002-3BC	2
12-TR606, 7	ET703168	Transistor 2SC1318 (Q)	2
12-D601, 2	ED705047	Germanium Diode 1S188AM	4
12-D603 to 6	ED421795	Silicon Diode VO3C	4
12-D607	ED705216	Zener Diode BZ-120	1
12-VR601	EV703192	Semi-fixed Volume EVL-S3AB13 1k B	2
12-2	ZW704193	Pin F3 Type	33
		Capacitor, Vertical Type	
12-C601	EC703203	Elect. ECE 3.3μF 50WV	2
12-C602	EC704338	Elect. ECE 1μF 50WV	2
12-C603	EC704711	Mica Z-18 220PK	2
12-C604	EC321221	Elect. 100μF 50WV	2
12-C605	EC704351	Elect. ECE 10μF 50WV	2
12-C606	EC704654	Mica Z-12 33PK	2
12-C607	EC703236	Mylar ECQ 0.047μF	2
12-C608	EC401185	Elect. 1000μF 35WV (Tubular type)	2
12-C609	EC705284	Elect. ECE 220μF 50WV	1
12-C610	EC372148	Elect. 220μF 35WV	1
12-C611	EC455354	Elect. 100μF 35WV	1
12-C612	EC705295	Elect. ECE 220μF 16WV	1
12-C613	EC703247	Mylar ECQ 0.0039μF	1
12-C614	EC703225	Elect. ECE 10μF 63WV	1
12-C615, 6	EC703214	Ceramic 0.01μF	2
12-C617	EC432652	Elect. 1000μF 35WV	1
		Resistor, Insulator Type	
12-R601	ER364948	Carbon RD1/4 3.3k (J)	2
12-R602	ER458076	Carbon RD1/4 75k (J)	2
12-R603	ER365005	Carbon RD1/4 82k (J)	2
12-R604	ER345677	Carbon RD1/4 15k (J)	2
12-R605	ER364961	Carbon RD1/4 1.2k (J)	2
12-R606	ER430165	Carbon RD1/4 150 (J)	2
12-R607	ER430211	Carbon RD1/4 3.9k (J)	2
12-R608	ER329308	Carbon RD1/4 47k (J)	2
12-R609	ER329264	Carbon RD1/4 2.2k (J)	2
12-R610	ER406034	Carbon RD1/4 220(J)	2
12-R611	ER324808	Carbon RD1/4 100 (J)	2
12-R612	ER430301	Carbon RD1/4 820 (J)	2
12-R613	ER324808	Carbon RD1/4 100 (J)	2
12-R614	ER364950	Carbon RD1/4 330 (J)	2
12-R615	ER214402	Carbon RD1/4 470 (J)	2
12-R616	ER430154	Carbon RD1/4 15 (J)	2
12-R617	ER214402	Carbon RD1/4 470 (J)	2
12-R618	ER703258	Carbon RD1/2 10 (Incombustible)	2
12-R619	ER703271	Metal Oxide Film 2W 0.3 (P type)	2
12-R620	ER703271	Metal Oxide Film 2W 0.3 (P type)	2
12-R621	ER406034	Carbon RD1/4 220 (J)	2
12-R622	ER345756	Carbon RD1/4 68k (J)	2
12-R623	ER329264	Carbon RD1/4 2.2k (J)	2
12-R624	ER703282	Metal Oxide Film 2W 220 (P type)	2
12-R626	ER703304	Solid RC1/2 4.7k (J)	1
12-R627	ER703315	Solid RC1/2 3.3k (J)	1
12-R628	ER703326	Solid RC1/2 5.6k (J)	1
12-R629	ER364950	Carbon RD1/4 330 (J)	1
12-R630	ER329308	Carbon RD1/4 47k (J)	1
12-R631	ER703260	Carbon RD1/2 100 (Incombustible)	1
12-R632	ER703282	Metal Oxide Film 2W 220 (P type)	1
12-R633	ER703293	Metal Oxide Film 2W 620 (P type)	1
12-R634	ER324641	Carbon RD1/4 1k (J)	1

FIG. 13 PHOTO OF EQUALIZER AMP. P.C. BOARD (5015)

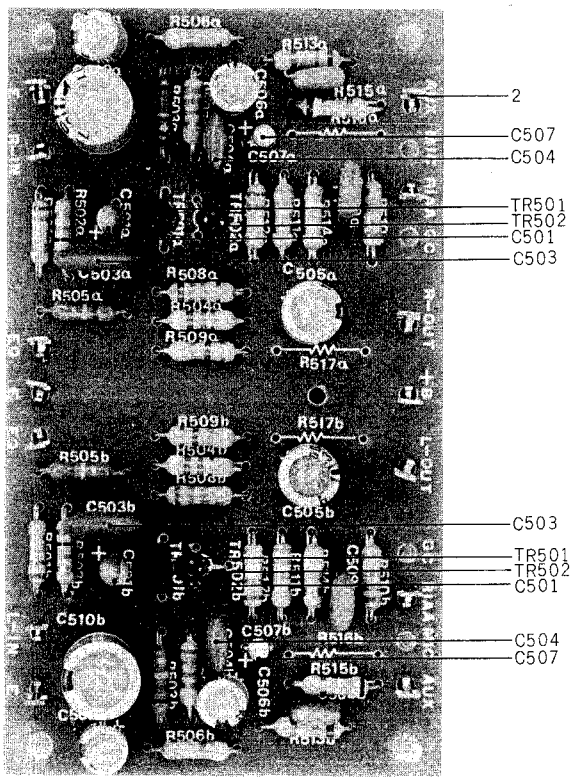
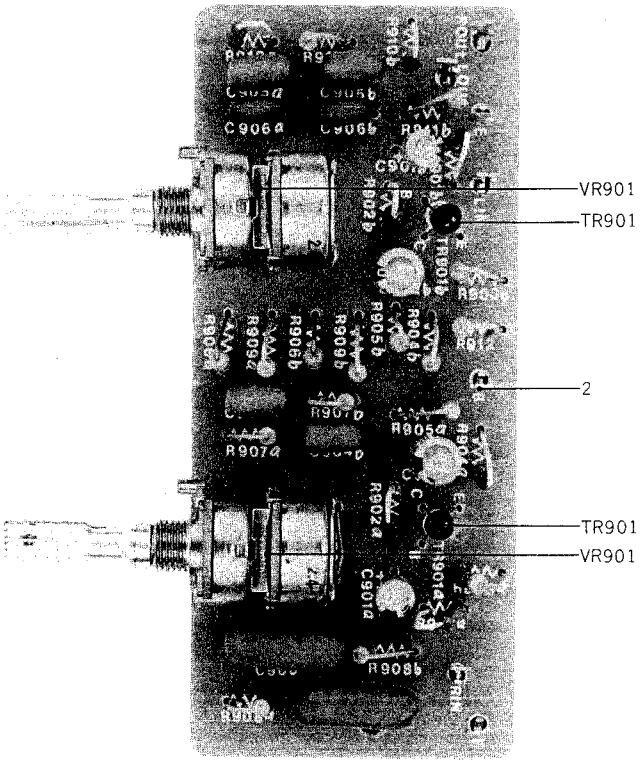


FIG. 14 PHOTO OF TONE CONTROL AMP. P.C. BOARD (9020)



EQUALIZER AMP. P.C. BOARD (5015) BLOCK

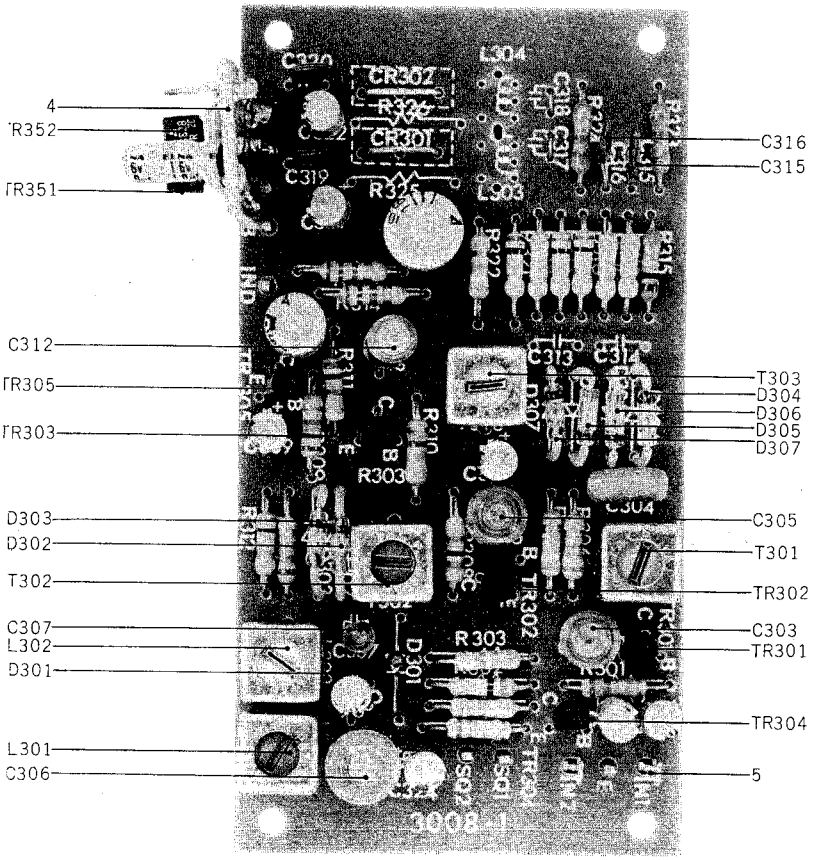
Symbol No.	Parts No.	Description	Q'ty
13-1x	BA708074	Equalizer Amp. P.C. Board Comp. (5015)	1
13-TR501	ET399857	Transistor 2SC871 (E)	2
13-TR502	ET703135	Transistor 2SC693 (F)	2
13-2	ZW704193	Pin F3 Type	14
		Capacitor, Vertical Type	
13-C501	EC704957	Tantalum CS15 3.3μF 25WV	2
13-C502	EC704970	Elect. ECE 10μF 25WV	2
13-C503	EC703146	Mica Z-18 220PK	2
13-C504	EC704610	Mica Z-17 47PK	2
13-C505	EC704981	Elect. ECE 100μF 6.3WV	2
13-C506	EC704970	Elect. ECE 10μF 25WV	2
13-C507	EC704968	Tantalum CS15 0.47μF 35WV	2
13-C508	EC704632	Mylar ECQ 0.0056μFKZ	2
13-C509	EC704744	Mylar ECQ 0.0018μKZ	2
13-C510	EC704992	Elect. ECE 47μF 50WV	2
		Resistor, Insulator Type	
13-R501	ER345767	Carbon RD1/4 68k (J)	2
13-R502	ER324641	Carbon RD1/4 1k (J)	2
13-R503	ER213794	Carbon RD1/4 120k (J)	2
13-R504	ER704597	Carbon RD1/4 910 (J)	2
13-R505	ER368223	Carbon RD1/4 270k (J)	2
13-R506	ER443790	Carbon RD1/4 470k (J)	2
13-R507	ER315213	Carbon RD1/4 8.2k (J)	2
13-R508	ER364961	Carbon RD1/4 1.2k (J)	2
13-R509	ER214402	Carbon RD1/4 470 (J)	2
13-R510	ER329387	Carbon RD1/4 1.8k (J)	2
13-R511	ER329264	Carbon RD1/4 2.2k (J)	2
13-R512	ER213794	Carbon RD1/4 120k (J)	2
13-R513	ER704608	Carbon RD1/4 820k (J)	2
13-R514	ER364994	Carbon RD1/4 39k (J)	2
13-R515	ER364983	Carbon RD1/4 18k (J)	2

TONE CONTROL AMP. P.C. BOARD (9020) BLOCK

Symbol No.	Parts No.	Description	Q'ty
14-1x	BA708006	Tone Control Amp. P.C. Board Comp. (9020)	1
14-TR901	ET315472	Transistor 2SC693U (F)	2
14-VR901	EV703416	Volume GJ20T 100k Bx2	2
14-2	ZW704193	Pin F3 Type	7
		Capacitor, Vertical Type	
14-C901	EC704542	Elect. ECE 4.7μF 25WV	2
14-C902	EC704970	Elect. ECE 10μF 25WV	2
14-C903	EC368370	Mylar 0.15μF (J) 50WV	2
14-C904	EC250841	Mylar 0.01μF (J) 50WV	2
14-C905	EC368335	Mylar 0.022μF (J) 50WV	2
14-C906	EC379157	Mylar 0.033μF (J) 50WV	2
		Resistor, Stopper Type	
14-R901	ER343078	Carbon RD1/4 2.7k (J)	2
14-R902	ER430086	Carbon RD1/4 560k (J)	2
14-R903	ER347038	Carbon RD1/4 270 (J)	2
14-R904	ER306360	Carbon RD1/4 6.8k (J)	2
14-R905	ER361642	Carbon RD1/4 47 (J)	2
14-R906	ER352045	Carbon RD1/4 3.9k (J)	2
14-R907	ER357570	Carbon RD1/4 150k (J)	2
14-R908	ER211320	Carbon RD1/4 1.5k (J)	2
14-R909	ER306360	Carbon RD1/4 6.8k (J)	2
14-R910	ER306887	Carbon RD1/4 15k (J)	2
14-R911	ER349942	Carbon RD1/4 8.2k (J)	2
14-R912	ER306887	Carbon RD1/4 15k (J)	1

When ordering parts, please describe Parts Number, Serial Number, and Model Number in detail.

FIG. 15 PHOTO OF FM MPX. P.C. BOARD (3008)

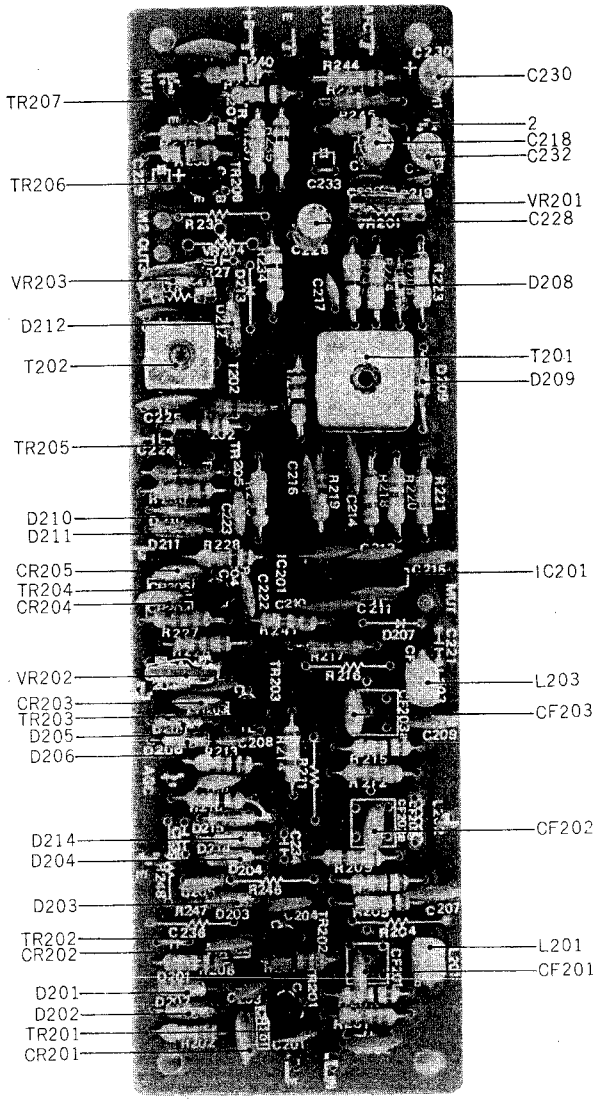


FM MPX. P.C. BOARD (3008) BLOCK

Symbol No.	Parts No.	Description	Q'ty
15-1x	BA707962	FM MPX. P.C. Board Comp. (3008)	1
15-2x	BA707973	FM MPX. P.C. Board Comp. (3008) (J)	1
15-3x	BA707984	FM MPX. P.C. Board Comp. (3008) (L)	1
15-TR301,2,3	ET402794	Transistor 2SC828(Q)	3
15-TR304	ET234933	Transistor 2SC828(R)	1
15-TR305	ET703056	Transistor 2SC828(A)	1
15-TR351, 2	ET234933	Transistor 2SC828(R)	2
15-D301	ED704237	Silicon Diode 1S1212	1
15-D302 to 7	ED704035	Germanium Diode 1N34A-YL	6
15-T301	EO704248	Coil (MPX) 311A	1
15-T302	EO704250	Coil (MPX) 309B	1
15-T303	EO704261	Coil (MPX) 305D	1
15-L301	EO704272	Coil (MPX) 312E	1
15-L302	EO704283	Coil (MPX) 313E	1
15-4	EA704428	Mute P.C. Board (7043)	1
15-5	ZW704193	Pin F3 Type	11
15-CR301, 2	EI704406	CR Compound Parts FIM-38	2
		Capacitor, Vertical Type	
15-C301, 2	EC704340	Elect. ECE 10μF 16WV	2
15-C303	EC704294	Styrol ECQ 4700PF(J)	1
15-C304	EC379157	Mylar 0.033μF(J) 50WV	1
15-C305	EC704294	Styrol ECQ 4700PF(J)	1
15-C306	EC704316	Styrol ECQ 10000PF(J)	1
15-C307	EC704327	Styrol ECQ 390PF(J)	1
15-C308	EC704351	Elect. ECE 10μF 50WV	1
15-C309	EC704338	Elect. ECE 1μF 50WV	1
15-C310	EC704340	Elect. ECE 10μF 16WV	1
15-C311	EC704362	Elect. ECE 100μF 16WV	1
15-C312	EC704305	Styrol ECQ 2200PF(J)	1
15-C315, 16	EC703067	Mica Z-17 150PJ	2
15-C319	EC350875	Mylar 0.001μF(J) 50WV	1
15-C319	EC703078	Mica Z-18 560PJ (L)	1
15-C320	EC350875	Mylar 0.001μF(J) 50WV	1
15-C320	EC703078	Mica Z-18 560PJ (L)	1
15-C321, 22	EC704338	Elect. ECE 1μF 50WV	2
15-C323	EC704338	Elect. ECE 1μF 50WV	1
15-C324	EC704340	Elect. ECE 10μF 16WV	1
15-C351	EC704430	Elect. 10μF 16WV	1
		Resistor, Insulator Type	
15-R301	ER213794	Carbon RD1/4 120k(J)	1
15-R302	ER213715	Carbon RD1/4 100k(J)	1
15-R303	ER334923	Carbon RD1/4 2.7k(J)	1
15-R304	ER315213	Carbon RD1/4 8.2k(J)	1
15-R305	ER348480	Carbon RD1/4 12k(J)	1
15-R306	ER315213	Carbon RD1/4 8.2k(J)	1
15-R307	ER364994	Carbon RD1/4 39k(J)	1
15-R308	ER450358	Carbon RD1/4 47(J)	1
15-R308	ER430165	Carbon RD1/4 150(J) (J)	1
15-R309	ER324641	Carbon RD1/4 1k(J)	1
15-R310	ER364950	Carbon RD1/4 330(J)	1
15-R311	ER364972	Carbon RD1/4 1.5k(J)	1
15-R312	ER213647	Carbon RD1/4 10k(J)	1
15-R313	ER214536	Carbon RD1/4 6.8k(J)	1
15-R314	ER430165	Carbon RD1/4 150(J)	1
15-R315	ER213647	Carbon RD1/4 10k(J)	1
15-R316	ER430233	Carbon RD1/4 390k(J)	1
15-R317	ER213647	Carbon RD1/4 10k(J)	1
15-R318	ER430233	Carbon RD1/4 390k(J)	1
15-R319	ER213647	Carbon RD1/4 10k(J)	1
15-R320	ER430233	Carbon RD1/4 390k(J)	1
15-R321	ER213647	Carbon RD1/4 10k(J)	1
15-R322	ER430233	Carbon RD1/4 390k(J)	1
15-R323, 24	ER213647	Carbon RD1/4 10k(J)	2
15-R327	ER430165	Carbon RD1/4 150(J)	1
15-R352	ER324720	Carbon RD1/4 5.6k(J)	1

When ordering parts, please describe Parts Number, Serial Number, and Model Number in detail.

FIG. 16 PHOTO OF FM IF. P.C. BOARD (2014)



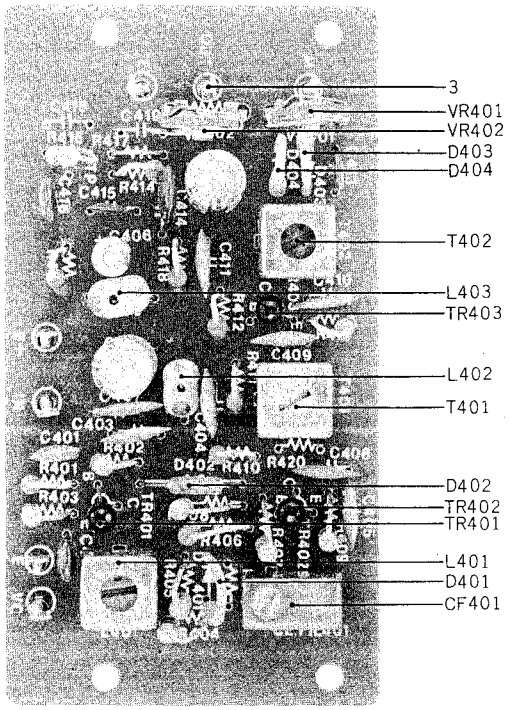
FM IF. P.C. BOARD (2014) BLOCK

Symbol No.	Parts No.	Description	Q'ty
16-1x	BA707940	FM IF. P.C. Board Comp.(2014)	1
16-IC201	EI704046	I.C. TA-7061AP	1
16-TR201	ET704002	Transistor 2SC710D	1
16-TR202	ET704013	Transistor 2SC710C	1
16-TR203, 4	ET704002	Transistor 2SC710D	2
16-TR205	ET704013	Transistor 2SC710C	1
16-TR206, 7	ET399881	Transistor 2SC711(F)	2
16-D201 to 6	ED704474	Germanium Diode 1S188 FM1	6
16-D208, 9	ED704035	Germanium Diode 1N34A-YL	2
16-D210,11,12	ED704474	Germanium Diode 1S188 FM1	3
16-D214	ED704474	Germanium Diode 1S188 FM1	1
16-CR201 to4	EI704057	CR Compound Parts PK1008 PG1010P	4
16-CR205	EI703001	CR Compound Parts SIK-0.01	1
16-CF201, 2	ER492355	Ceramic Filter CFS-107M	2
16-CF203	ER492355	Ceramic Filter CFS-107M	1
16-L201	EO704070	Ferri Inductor EL0710 330MH	1
16-L203	EO704070	Ferri Inductor EL0710 330MH	1

Symbol No.	Parts No.	Description	Q'ty
16-T201, 2	BT704081	FM IF. Trans. 211D	2
16-VR201	EV704103	Semi-fixed Volume EVL-S1A00 20k B	1
16-VR202	EV704114	Semi-fixed Volume EVL-S1A00 5k B	1
16-VR203	EV704103	Semi-fixed Volume EVL-S1A00 20k B	1
16-2	ZW704193	Pin F3 Type	11
		Capacitor, Vertical Type	
16-C201	EC704125	Ceramic MC-70 0.01Z	1
16-C202	EC704136	Ceramic MC-100 0.04Z	1
16-C203	EC703012	Ceramic 0.01M	1
16-C204,5,6	EC704125	Ceramic MC-70 0.01Z	3
16-C207	EC704136	Ceramic MC-100 0.04Z	1
16-C208	EC703012	Ceramic 0.01M	1
16-C209 to 16	EC704136	Ceramic MC-100 0.04Z	8
16-C217	EC704158	Ceramic FC-60 50PFK	1
16-C218	EC703023	Alminum Elect. 4.7M 25WV	1
16-C219, 20	EC704160	Ceramic FC-50 33PFK	2
16-C221	EC704171	Ceramic MC-75 0.02Z	1
16-C222, 23	EC704125	Ceramic MC-70 0.01Z	2
16-C225	EC704136	Ceramic MC-100 0.04Z	1
16-C226	EC704171	Ceramic MC-75 0.02Z	1
16-C228	EC703034	Alminum Elect. 1M 50WV	1
16-C230	EC704182	Alminum Elect. 1μ 50WV	1
16-C231	EC704136	Ceramic MC-100 0.04Z	1
16-C232	EC704182	Alminum Elect. 1μ 50WV	1
		Resistor, Insulator Type	
16-R201	ER345712	Carbon RD1/4 22k(J)	1
16-R202	ER315213	Carbon RD1/4 8.2k(J)	1
16-R203	ER324641	Carbon RD1/4 1k(J)	1
16-R205	ER364972	Carbon RD1/4 1.5k(J)	1
16-R206	ER324887	Carbon RD1/4 1.6k(J)	1
16-R207	ER365016	Carbon RD1/4 220k(J)	1
16-R208	ER324641	Carbon RD1/4 1k(J)	1
16-R209	ER213794	Carbon RD1/4 120k(J)	1
16-R210	ER213715	Carbon RD1/4 100k(J)	1
16-R212	ER329264	Carbon RD1/4 2.2k(J)	1
16-R213	ER364972	Carbon RD1/4 1.5k(J)	1
16-R214	ER213794	Carbon RD1/4 120k(J)	1
16-R215	ER324641	Carbon RD1/4 1k(J)	1
16-R217	ER364950	Carbon RD1/4 330(J)	1
16-R218	ER430143	Carbon RD1/4 120(J)	1
16-R219, 20	ER703045	Carbon RD1/4 271	2
16-R221	ER430143	Carbon RD1/4 120(J)	1
16-R222	ER356501	Carbon RD1/4 56(J)	1
16-R223, 24	ER430288	Carbon RD1/4 680(J)	2
16-R225	ER365016	Carbon RD1/4 220k(J)	1
16-R226	ER334923	Carbon RD1/4 2.7k(J)	1
16-R227	ER329264	Carbon RD1/4 2.2k(J)	1
16-R228	ER364972	Carbon RD1/4 1.5k(J)	1
16-R229	ER364994	Carbon RD1/4 39k(J)	1
16-R230	ER214536	Carbon RD1/4 6.8k(J)	1
16-R231	ER365016	Carbon RD1/4 220k(J)	1
16-R232	ER427950	Carbon RD1/4 180(J)	1
16-R234	ER324641	Carbon RD1/4 1k(J)	1
16-R235	ER213715	Carbon RD1/4 100k(J)	1
16-R236	ER430290	Carbon RD1/4 82(J)	1
16-R237, 38	ER345712	Carbon RD1/4 22k(J)	1
16-R239, 40	ER213794	Carbon RD1/4 120k(J)	2
16-R241	ER365016	Carbon RD1/4 220k(J)	1
16-R242	ER450358	Carbon RD1/4 47(J)	1
16-R243	ER365016	Carbon RD1/4 220k(J)	1
16-R244	ER345756	Carbon RD1/4 68k(J)	1
16-R245	ER324641	Carbon RD1/4 1k(J)	1

When ordering parts, please describe Parts Number, Serial Number, and Model Number in detail.

FIG. 17 PHOTO OF AM IF. P.C. BOARD (4009)

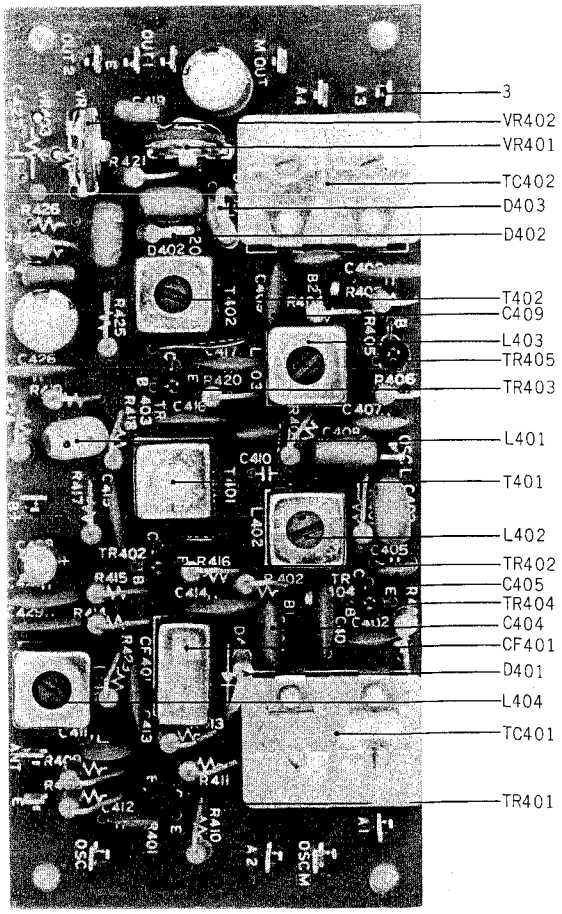


Symbol No.	Parts No.	Description	Q'ty
17-R407	ER350100	Carbon RD1/4 68k(J)	1
17-R408, 9	ER362441	Carbon RD1/4 1.8k(J)	2
17-R410	ER211465	Carbon RD1/4 1k(J)	1
17-R411	ER349942	Carbon RD1/4 8.2k(J)	1
17-R412	ER357535	Carbon RD1/4 39k(J)	1
17-R413, 14	ER304402	Carbon RD1/4 470(J)	2
17-R415	ER306887	Carbon RD1/4 15k(J)	1
17-R416	ER346601	Carbon RD1/4 47k(J)	1
17-R418	ER211465	Carbon RD1/4 1k(J)	1

AM IF. P.C. BOARD (4009) BLOCK

Symbol No.	Parts No.	Description	Q'ty
17-1x	BA708028	AM IF. P.C. Board Comp. (4009)	1
17-2x	BA708030	AM IF. P.C. Board Comp. (4009) (H)	1
17-TR401,2,3	ET704463	Transistor 2SC930D	3
17-D401 to 4	ED704474	Germanium Diode 1S188 FM1	4
17-CF401	ER704485	Ceramic Filter CFZ-455C	1
17-CF401	ER704575	Ceramic Filter CFZ-032A (H)	1
17-L401	EO704507	OSC Coil 402L	1
17-L402, 3	EO704496	Ferri Inductor LTB-100	2
17-T401	BT704518	AM IF. Trans. 403B	1
17-T402	BT704520	AM IF. Trans. 401D	1
17-VR401, 2	EV704114	Semi-fixed Volume EVL-S1A00 5k B	2
17-3	ZW704193	Pin F3 Type	7
		Capacitor, Vertical Type	
17-C401	EC704125	Ceramic MC-70 0.01Z	1
17-C402	EC706410	Mylar MFL 0.01μF(K)	1
17-C403,4,5	EC704136	Ceramic MC-100 0.04Z	3
17-C406	EC704542	Elect. ECE 4.7μF 25WV	1
17-C406	EC703091	Elect. ECE 47μF 16WV (H)	1
17-C407 to 11	EC704136	Ceramic MC-100 0.04Z	5
17-C412	EC704553	Elect. ECE 47μF 16WV	1
17-C412	EC703102	Elect. ECE 47μF 16WV (H)	1
17-C413	EC706408	Mylar MFL 0.001μF(K)	1
17-C414	EC706421	Mylar MFL 0.015μF(K)	1
17-C415	EC706432	Mylar MFL 0.0047μF(K)	1
17-C416	EC706443	Mylar MFL 0.012μF(K)	1
17-C417	EC704553	Elect. ECE 47μF 16WV	1
17-C417	EC703102	Elect. ECE 47μF 16WV (H)	1
		Resistor, Stopper Type	
17-R401	ER349942	Carbon RD1/4 8.2k(J)	1
17-R402	ER350100	Carbon RD1/4 68k(J)	1
17-R403	ER362441	Carbon RD1/4 1.8k(J)	1
17-R404	ER211667	Carbon RD1/4 100(J)	1
17-R405	ER361563	Carbon RD1/4 180(J)	1
17-R406	ER213467	Carbon RD1/4 820(J)	1

FIG. 18 PHOTO OF AM IF. P.C. BOARD (4013)

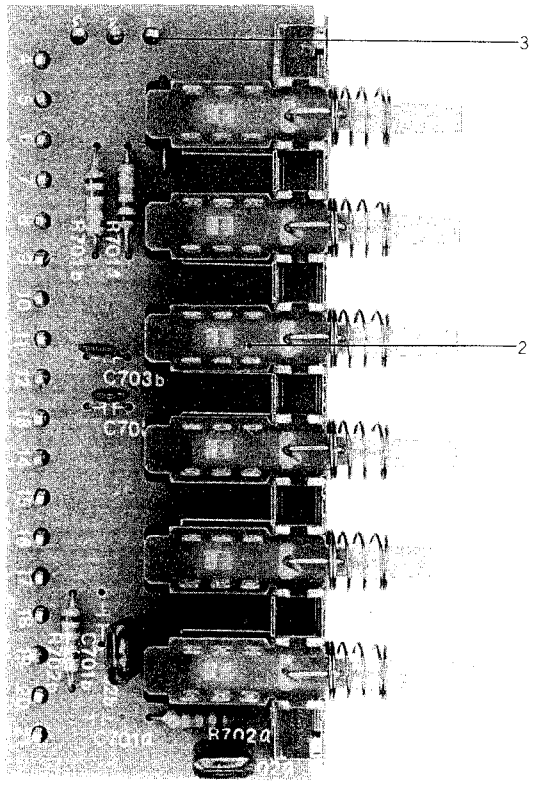


When ordering parts, please describe Parts Number, Serial Number, and Model Number in detail.

AM IF. P.C. BOARD (4013) BLOCK (L)

Symbol No.	Parts No.	Description	Q'ty
18-1x	BA708052	AM IF. P.C. Board Comp. (4013) (L)	1
18-2x	BA708063	AM IF. P.C. Board Comp. (4013) (L-H)	1
18-TR401	ET702516	Transistor 2SC1047C	1
18-TR402,3,4,5	ET704463	Transistor 2SC930D	4
18-D401,2,3	ED704474	Germanium Diode 1S138 FM1	3
18-VR401, 2	EV704564	Semi-fixed Volume EVL-S1AA00 20k B	2
18-CF401	ER704485	Ceramic Filter CFZ-455C	1
18-L401	EO704496	Ferri Inductor LTB-100	1
18-L402	EO702527	OSC Coil 405L(MW)	1
18-L403	EO702538	OSC Coil 409L(LW)	1
18-L404	EO702663	Trap Coil 401D	1
18-T401	BT702540	FM IF. Trans. 401B	1
18-T402	BT702551	FM IF. Trans. 401D	1
18-3	ZW704193	Pin F3 Type	16
		Capacitor, Vertical Type	
18-C401	EC704136	Ceramic MC-100 0.04Z	1
18-C402	EC704125	Ceramic MC-70 0.01Z	1
18-C403	EC702652	Mylar ECQ-MO5 103KZ	1
18-C404	EC706342	Mica Z-17 360P	1
18-C405	EC702595	Mica Z-11 22PK	1
18-C406	EC704136	Ceramic MC-100 0.04Z	1
18-C407	EC704171	Ceramic MC-75 0.02Z	1
18-C408	EC702628	Mylar ECQ-MO5 153KZ	1
18-C409	EC702584	Mica Z-17 150PJ	1
18-C410	EC702606	Mica Z-11 47PK	1
18-C411, 12	EC704125	Ceramic MC-70 0.01Z	2
18-C413 to 17	EC704136	Ceramic MC-100 0.04Z	5
18-C418	EC702628	Mylar ECQ-MO5 153KZ	1
18-C419	EC702617	Mylar ECQ-MO5 472KZ	1
18-C420	EC702573	Ceramic SCY-85 0.001	1
18-C421	EC702628	Ceramic ECQ-MO5 153KZ	1
18-C422	EC704744	Mylar ECQ 0.0018μKZ	1
18-C424, 25	EC704553	Elect. ECE 47μF 16WV	2
18-C426, 27	EC704136	Ceramic MC-100 0.04Z	2
18-C428	EC704542	Elect. ECE 4.7μF 25WV	1
18-C429	EC704136	Ceramic MC-100 0.04Z	1
18-C430	EC702606	Mica Z-11 47PK	1
18-C432	EC702630	Mica Z-11 1PD	1
18-C451, 52	EC704136	Ceramic MC-100 0.04Z	2
18-TC401	EC702641	Trimmer AT2-5W	1
18-TC402	EC702562	Trimmer AT2-5W	1
		Resistor, Stopper Type	
18-R401	ER342933	Carbon RD1/4 27k(J)	1
18-R402	ER349942	Carbon RD1/4 8.2k(J)	1
18-R403	ER304402	Carbon RD1/4 470(J)	1
18-R404	ER346601	Carbon RD1/4 47k(J)	1
18-R405	ER349942	Carbon RD1/4 8.2k(J)	1
18-R406	ER361980	Carbon RD1/4 620(J)	1
18-R407	ER433877	Carbon RD1/4 120(J)	1
18-R408	ER357491	Carbon RD1/4 82k(J)	1
18-R409	ER349942	Carbon RD1/4 8.2k(J)	1
18-R410	ER357456	Carbon RD1/4 2.2k(J)	1
18-R411	ER211667	Carbon RD1/4 100(J)	1
18-R413	ER703124	Carbon RD1/4 35k(J)	1
18-R414	ER211757	Carbon RD1/4 100k(J)	1
18-R415	ER362441	Carbon RD1/4 1.8k(J)	1
18-R416	ER211320	Carbon RD1/4 1.5k(J)	1
18-R417	ER211465	Carbon RD1/4 1k(J)	1
18-R418	ER349942	Carbon RD1/4 8.2k(J)	1
18-R419	ER703124	Carbon RD1/4 35k(J)	1
18-R420, 21	ER304402	Carbon RD1/4 470(J)	2
18-R422	ER346601	Carbon RD1/4 47k(J)	1
18-R423	ER213467	Carbon RD1/4 820(J)	1
18-R424	ER211667	Carbon RD1/4 100(J)	1
18-R425	ER306887	Carbon RD1/4 15k(J)	1

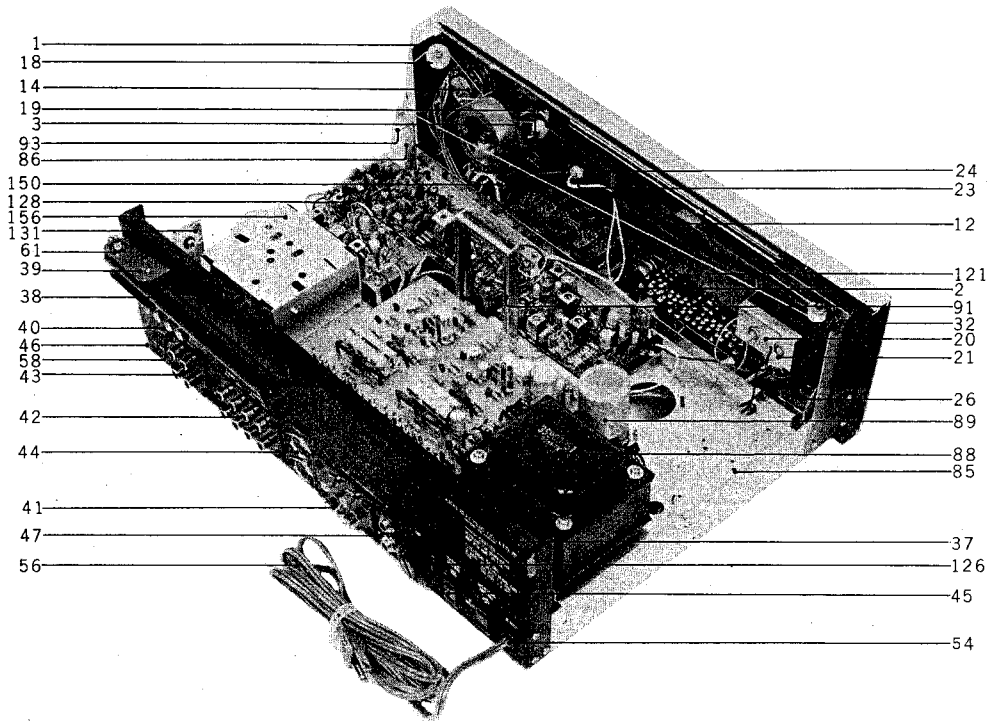
FIG. 19 PHOTO OF SWITCH P.C. BOARD (7041-2)



SWITCH P.C. BOARD (7041-2) BLOCK

Symbol No.	Parts No.	Description	Q'ty
19-1x	BA708096	Switch P.C. Board Comp.(7041-2)	1
19-2	ES703361	Push Switch 6FS-12U-56	1
19-3	ZW704193	Pin F3 Type	21
19-4x	BZ704766	Push Switch Shield Plate	1
		Capacitor, Vertical Type	
19-C701	EC703383	Mica Z-17 360P	2
19-C702	EC380621	Mylar 0.0068μF(J) 50WV	2
19-C703	EC379765	Mylar 0.0027μF(J) 50WV	2
		Resistor, Insulator Type	
19-R701	ER703372	Solid RC1/2 5.6k(J)	2
19-R702	ER214536	Carbon RD1/4 6.8k(J)	2
19-R703	ER450101	Carbon RD1/4 330k(J)	2
19-R704	ER464297	Carbon RD1/8 330k(J)	2

FIG. 20 (A, B) PHOTO OF ASSEMBLY BLOCK



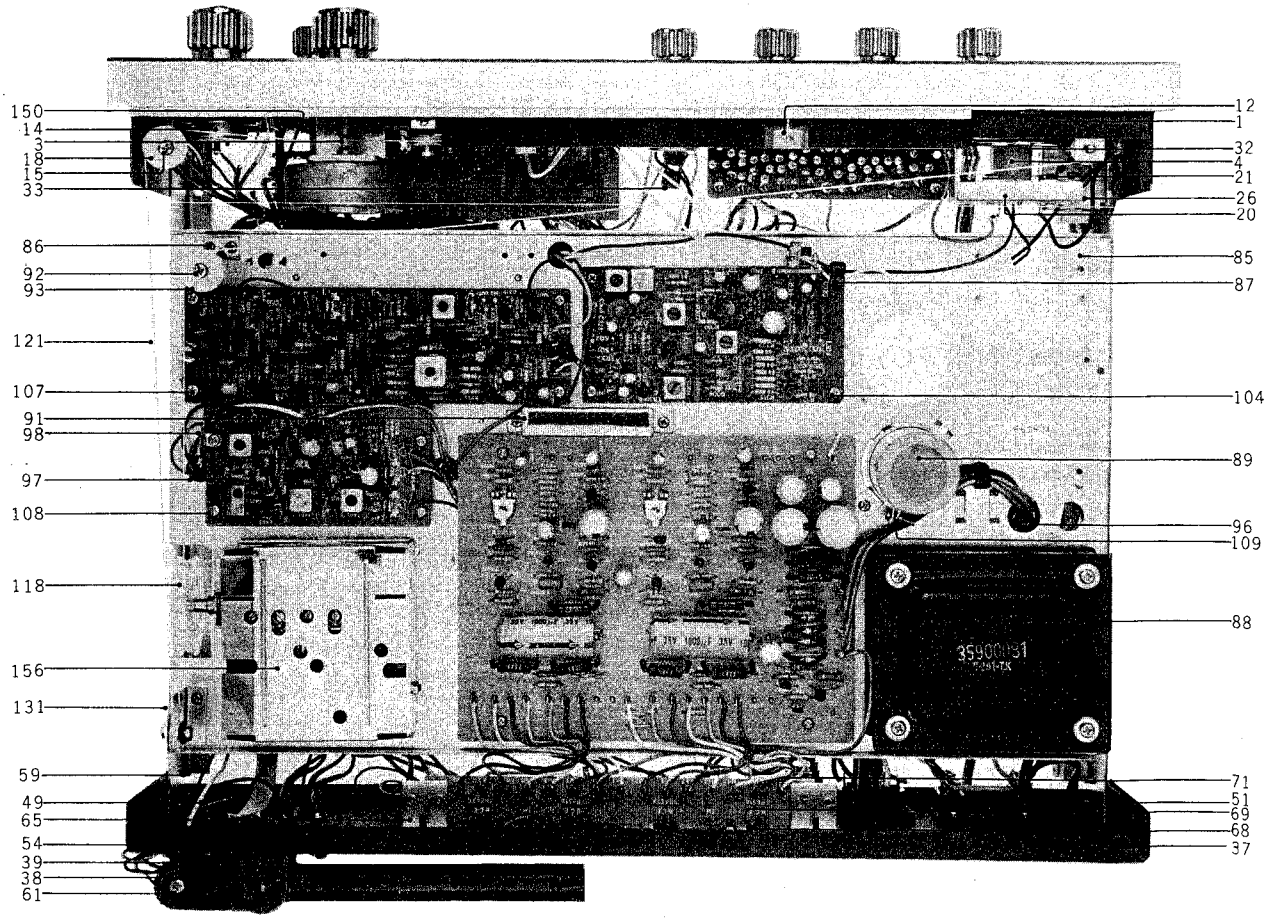
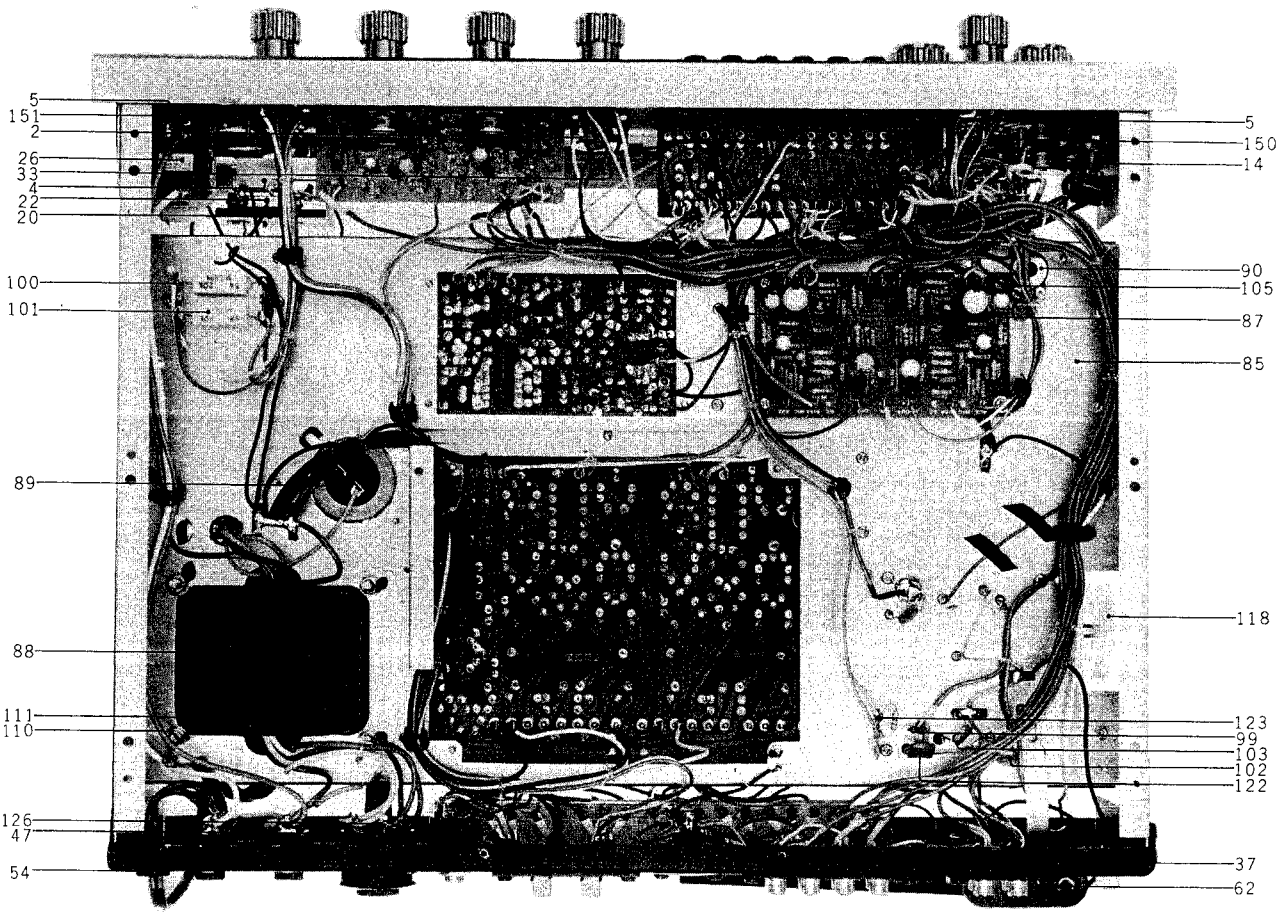


FIG. 20 (C) PHOTO OF ASSEMBLY BLOCK



ASSEMBLY BLOCK

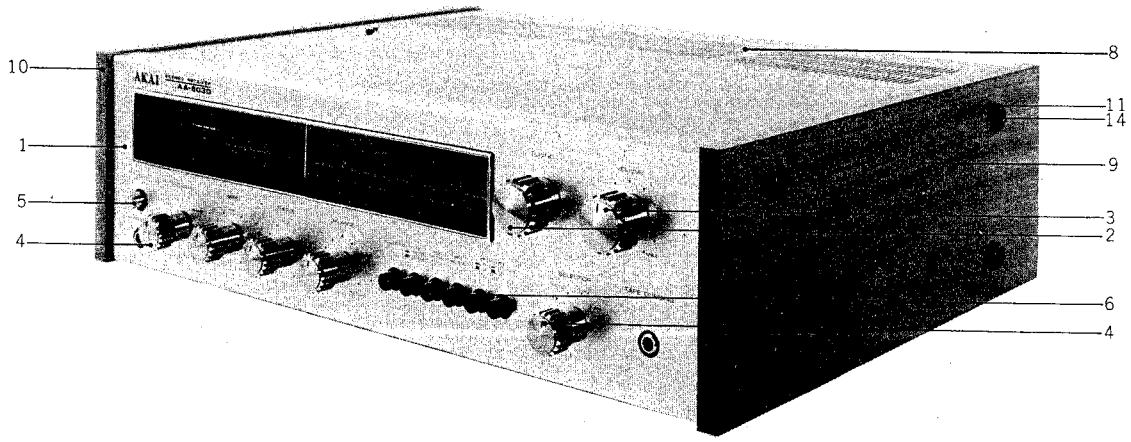
Ref. No.	Parts No.	Description	Schematic No.	Q'ty
		FRONT CHASSIS BLOCK		
20-1	AA703710	Front Chassis AA-8030	03031004	1
20-2	EV705510	Volume GJ10A100KMN	28000008	1
20-3	AA705521	Dial Shaft, w/wheel	23024001	1
20-4	EM703721	Meter (Tuning)	60075013	1
20-5	EJ705565	3P Head Phone Jack SG7702-02	33030700	2
20-6x	AA703732	Dial Scale Plate AA-8030	20048003	1
20-7x	AA703934	Dial Scale Plate AA-8030(J)	20053001	1
20-8x	AA703754	Glass Mt. Rubber	74009001	1
20-9x	AA703776	Glass Mt. Metal A	63196002	1
20-10x	AA703787	Glass Mt. Metal B	63197001	1
20-11x	AA703743	Dial Filter	84095001	2
20-12	AA703798	Indicator	25020002	1
20-13x	AA703811	Shading Sponge A	73120002	4
20-14	EV705881	Volume GJ20T 100k Bx2	28000054	1
20-15	ZW705688	Half Screw E	24003001	3
20-16x	AA703765	Glass Mt. Rubber B	74070001	2
20-17x	AA705892	Spacer L=8	55040001	2
20-18	AA705690	Pulley	84085001	1
20-19	AA705701	Resin Pulley	84010001	2
20-20	AA703855	Meter Mt. Metal	63045001	1
20-21	AA703866	Fuse Lamp Holder S-NO105	34005001	3
20-22	EL703877	Lamp (Bar type) 8V 0.3A	37008008	3
20-23	EL703888	Lamp (S) 8V 0.1A	37008001	1
20-24	AA703901	Acrylic Window	71001002	1
20-25x	AA705778	Spacer L=15	55045001	2
20-26	ES705767	Push Switch UEH120A (Power)	27200026	1
20-27x	AA705870	PL Brushing	74001002	1
20-28x	ZW472274	Tapping Screw #2 3x6 (binding)		5
20-29x	ZW318475	Screw, pan head 3x6		8
20-30x	ZW705802	Washer A	42100004	2
20-31x	ZW705813	Washer B	42100005	1
20-32	AA703890	Meter Filter	84096003	1
20-33	EC703923	Mica/C. Z-17 270PK	48271430	2
20-34x	ES488226	Push Switch JH-5 (CEE)	25-5-67	1
20-35x	AA703945	Dial Scale Plate (L)	20055001	1
20-36x	AA703956	Fuse Lamp Holder (L)	34005002	3
		REAR CHASSIS BLOCK		
20-37	AA703427	Rear Chassis	11058001	1
20-38	AA704845	Bar Antenna L-1578	35400262	1
20-39	AA704856	Bar Antenna Mt. Metal	63186003	1
20-40	EJ703438	4P Screw Terminal	530416004	1
20-41	EJ703440	4P Screw Terminal	53041500	1
20-42	EJ703473	8P Pin Jack S-Q 3654	33080300	1
20-43	EJ703451	4P Pin Jack	33040500	1
20-44	EJ703462	5P Din Jack S-I 8123	34034001	2

When ordering parts, please describe Parts Number, Serial Number, and Model Number in detail.

Ref. No.	Parts No.	Description	Schematic No.	Q'ty
20-45	EJ704880	AC Consent XS-057-1-2	34040001	2
20-46	EZ704891	Earth Terminal X-P0701	53012300	1
20-47	AA704878	2P Head Phone Jack S-G7615-01	33020600	2
20-48x	ZW703484	Washer 3x10x0.8B	42100008	1
20-49	ZW705363	Earth Lug M3	51036001	1
20-50x	ZW705374	Toothed Lock Washer (outside)	42380331	1
20-51	EI704946	CR Compound Parts CU120033	43000013	1
20-52x	ER364983	Carbon/R. RD1/4 18k(J) (Insu. type)	35-9-5	2
20-53x	ER345756	Carbon/R. RD1/4 68k(J) (Insu. type)	35-9-5	2
20-54	AA705475	Cord Stopper SR-4K4	74035001	2
20-55x	AA705396	Blind Rivet AC4-4A	18004001	4
20-56	EZ705407	AC Cord, w/plug	62110004	1
20-57x	ER705453	Solid/R. RC1/2 2.2M(J)	77704225	1
20-58	ZW200698	Tapping Screw #2 3x8 (round)		18
20-59	ZW344305	Screw, pan head 3x10		4
20-60x	ZW379350	Iso Screw, pan head 3x6		4
20-61	ZW705442	Screw, pan head 4x22	40340221	1
20-62	ZW273960	M4 Nut		1
20-63x	ZW273756	M3 Nut		3
20-64x	ZW515586	Washer D3x8x0.5t		1
20-65	AA703517	P.C. Board Mt. Metal	63195002	2
20-66x	AA704913	Thermister Mt. Metal	63162001	2
20-67x	ED350482	Thermister D22A	45-5-7	2
20-68	ET703530	Transistor, w/parts 2SD313(E)	30300182	4
20-69	ZW433348	Screw, binding head 2.6x10		4
20-70x	ZW357658	M2.6 Nut		4
20-71	ZW704193	Pin F3 Type	19004001	15
20-72x	ZW703552	Fiber Washer M3 T=1	42400009	4
20-73x	AA703563	Transistor Insulated Bush	75014001	4
20-74x	EZ705497	Australia Cord (3 core, S)	62010001	1
20-75x	EJ703585	Lug Plate 1L1P SE (CUL)	51049002	1
20-76x	ZW202140	Screw, binding head 3x8 (CUL)	19038001	1
20-77x	AA703631	Blind Plate (CUL)		1
20-78x	EF332098	Fuse ST-1 2A (CUL)	39-1-25	1
20-79x	AA705486	Cord Stopper SR-5P4 (3 core, S)	74045001	1
20-80x	AA703653	Fuse Holder (CEE)	34043001	1
20-81x	EZ377561	AC Cord ER-0150 (CEE)		1
20-82x	ZW202127	Screw, binding head 3x6 (CEE)		2
20-83x	EF703664	Fuse (T type) 6AT (CEE)	38410016	3
20-84x	AA703675	Free Map Belt (CEE)	84118001	1
		MAIN CHASSIS BLOCK		
20-85	AA703967	Main Chassis AA-8030	01039001	1
20-86	AA705960	Pulley Mt. Metal C AA-8030	63115001	1
20-87	AA705982	Wire Fitting Metal	63075001	10
20-88	BT707310	Power Trans. K2061D	35900081	1
20-89	EC707321	Elect./C. ECE-M63R2200E	64246228	1
20-90	EV707332	Semi-fixed Volume 5k B	28100032	1
20-91	AA706015	Bonnet Supporting Metal	63185001	1
20-92	ZW705688	Half Screw E	24003001	2
20-93	AA705690	Pulley	84085001	2
20-94x	AA706544	Spacer	55023001	8
20-95x	AA706026	Spacer L=10	55007001	8
20-96	AA706048	Snap Bushing SB500-6	74037001	1
20-97	AA706050	Snap Bushing SB375-4	74036001	3
20-98	EJ706746	Lug Plate 1L1P	51027001	1
20-99	EO706061	Choke Coil SPO426L 100K	35500100	1
20-100	EJ707343	Lug Plate 1L1P1L	51041001	2
20-101	ER707354	Cement/R. 5W 2	79514208	2
20-102	EC704136	Ceramic/C. MC-100 0.04Z	46403682	3
20-103	EC707365	Mica/C. Z-17 360P	48361430	1
20-104	ZW705431	Tapping Screw #2 3x8(pan)	40130081	26
20-105	ZW706656	Tapping Screw #3 3x18(pan)	40000022	4
20-106x	ZW706645	Tapping Screw #2 3x15(pan)	40130151	2
20-107	ZW706667	Screw, pan head 3x5	40330051	18
20-108	ZW707782	Screw, pan head 3x5	40000010	4
20-109	ZW273756	M3 Nut		4
20-110	ZW273960	M4 Nut		5
20-111	ZW706678	Washer (ZMC) 4S	42120421	4
20-112x	ZG706680	Spring Washer (ZMC3) 4S	42250441	4
20-113x	ZW705363	Earth Lug M3	51036001	1
20-114x	ZW706691	Earth Lug M4	51030001	1
20-115x	ZW706702	Toothed Lock Washer (outside)	42380431	1
20-116x	ER364948	Carbon/R. RD1/4 3.3k(J) (Insu. type)	35-9-5	1
20-117x	EC705306	Mylar/C. ECQ 0.0012μ	45122404	1
20-118	AA707376	Dial Drum	21009001	1
20-119x	ZW706757	Spring (S)	19017001	1
20-120x	EC706375	Ceramic/C. FC50 6P	47060201	1
20-121	ZW707387	Dial String		1
20-122	EC707477	Mica/C. Z-18 470P	48471440	1
20-123	EJ707488	Lug Plate 1L2P	51043001	1
20-124x	ER496181	Carbon/R. RD1/4 270(J) (Insu. type)	35-9-5	1
20-125x	ER364961	Carbon/R. RD1/4 1.2k(J) (Insu. type)	35-9-5	1
20-126	AA706364	Volt Selector S-I7205-2	34004001	1
20-127x	EF707490	Fuse UL 2A	38300020	1
20-128	EC704621	Mica/C. Z-18 680PK	48681440	2
20-129x	ZW706768	Washer	75013001	1
20-130x	EC707422	Ceramic/C. 18PK	47180401	1
20-131	AA707433	Pulley Mt. Metal H	63218001	1
20-132x	ZW317970	Screw, binding head 3x10		2
20-133x	EF707501	Fuse UL 1A	38700010	1
20-134x	BT707400	Power Trans. (CUL)	35900100	1
20-135x	BT707411	Power Trans. P-1 (CEE)	35900090	1
20-136x	AA707444	Main Chassis (L)	01046001	1
20-137x	ZG707455	Spring	19034001	1
20-138x	AA707512	Joint (L)	19036002	1
20-139x	AA707466	Shaft (L)	19037001	1
20-140x	AA707523	Joint (L)	19039001	1
20-141x	ES707534	Slide Switch S-JO230-08(L)	27300006	1
20-142x	ZW706634	Tapping Screw #3 3x12 (pan) (L)	40000020	2
20-143x	ZW355511	Screw, binding head 3x6(L)		2
20-144x	EC707545	Mylar/C. ECQ-M4104KZ(L)	45104584	1
20-145x	EC703078	Mica/C. Z-18 560PJ (L)	48561340	2
20-146x	EJ707556	Lug Plate (L)	51026001	1
20-147x	AA707567	Rotary Switch Mt. Metal(L)	63216002	1
20-148x	AA707578	Slide Switch Mt. Metal (L)	63217001	1
20-149x	ER707580	Carbon/R. RD1/4 680k (L)	76813684	2
20-150	ES707714	Rotary Switch Y-4114	27100059	1
20-151	ES706094	Rotary Switch F-144	27100044	1
20-152x	ER705093	Solid/R. RC1/2 220(J)	77704221	2
20-153x	ES707725	Rotary Switch Y-4105 (L)	27100064	1
20-154x	ES707736	Rotary Switch F-285 (L)	27100068	1
20-155x	ER496181	Carbon/R. RD1/4 270(J) (Insu. type) (L)	35-9-5	1
20-156	AF707927	Front End Comp.		1
20-157x	AF707938	Front End Comp. (J)		1

When ordering parts, please describe Parts Number, Serial Number, and Model Number in detail.

FIG. 21 PHOTO OF CASE BLOCK



CASE BLOCK

Ref. No.	Parts No.	Description	Schematic No.	Q'ty
21-1	SP707613	Front Panel AA-8030	10086002	1
21-2	AA706274	Knob D28, without plot	29090002	1
21-3	AA706285	Knob D28, w/plot	29091002	1
21-4	AA706296	Knob D21	29089002	5
21-5	AA707624	Power Switch Knob	29093001	1
21-6	AA707635	Push Switch Knob	29101001	6
21-7x	AA706307	Bottom Plate AA-8030	05029002	1
21-8	AA707646	Bonnet	70012004	1
21-9	AA706836	Side Plate (R)	04010001	1
21-10	AA706847	Side Plate (L)	04009001	1
21-11	ZW706858	Spot Facing Washer B	84092001	8
21-12x	AA706318	Resin Foot, w/#4 biss	84091001	4
21-13x	ZW705420	Tapping Screw #2 3x8 (binding)	40630081	3
21-14	ZW707872	Screw, pan head 4x15(bronze)	40340155	8
21-15x	AA706241	Panel Fiber	84111002	2
21-16x	ZW413245	Screw, pan head 4x15		4
21-17x	ZW706678	Washer (ZMC) 4S	42120421	4
21-18x	AA706252	Panel Protector Plate	74031001	1
21-19x	AA707657	Shading Fiber B	73145001	1
21-20x	AA707668	Panel Fiber	73144001	2
21-21x	SP707670	Front Panel (L)	10088001	1
21-22x	AA707681	Lever Knob D21 (L)	29118001	1
21-23x	EF707490	Fuse UL 2A (110VUS, J)	38300020	1
21-24x	EF707501	Fuse UL 1A (220VUS, H, 3 core, S)	38700010	1
21-25x	AA706217	Di-pole Antenna	62120001	1
21-26x	AA706915	Di-pole Antenna (J)	62120002	1

INDEX

Parts No.	Ref. No. & Symbol No.	Parts No.	Ref. No. & Symbol No.	Parts No.	Ref. No. & Symbol No.	Parts No.	Ref. No. & Symbol No.	Parts No.	Ref. No. & Symbol No.
AA702786	10-38x	AA706026	10-106x	BA708074	13-1x	EC703078	15-C319	EC704327	15-C307
AA702832	10-48x	AA706026	20-95x	BA708085	12-1x	EC703078	15-C320	EC704338	4-C309
AA702911	10-95x	AA706037	10-107	BA708096	19-1x	EC703078	20-145x	EC704338	4-C321,22,23
AA703427	20-37	AA706048	10-108	BP707106	8-1x	EC703091	17-C406	EC704338	12-C602
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ER427950	16-R232	ER704608	9-R702	ET705025	1-TR607	ZW704193	12-2		
ER430007	3-R910	ER704608	13-R513	ET705036	1-TR612	ZW704193	13-2		
ER430086	14-R902	ER704643	1-R630	ET705330	10-60	ZW704193	14-2		
ER430143	5-R209	ER704687	1-R619	EV703192	12-VR601	ZW704193	15-5		
ER430143	5-R214	ER704700	1-L601	EV703416	14-VR901	ZW704193	16-2		
ER430143	5-R218	ER705058	1-R606	EV704103	5-VR201	ZW704193	17-3		
ER430143	5-R221	ER705060	1-R609	EV704103	5-VR203	ZW704193	18-3		
ER430143	16-R218	ER705071	1-R617	EV704103	7-VR401, 2	ZW704193	19-3		
ER430143	16-R221	ER705082	1-R620	EV704103	16-VR201	ZW704193	20-71		
ER430154	12-R616	ER705093	1-R638	EV704103	16-VR203	ZW705363	10-67x		
ER430165	4-R327	ER705093	20-152x	EV704114	5-VR202	ZW705363	10-125x		
ER430165	12-R606	ER705227	8-R801	EV704114	16-VR202	ZW705363	20-49		
ER430165	15-R308	ER705238	8-R804	EV704114	17-VR401, 2	ZW705363	20-113x		
ER430165	15-R314	ER705240	8-R805, 6	EV704564	6-VR401, 2	ZW705374	10-68x		
ER430165	15-R327	ER705453	10-84x	EV704564	18-VR401, 2	ZW705374	10-126x		
ER430211	1-R604	ER705453	20-57x	EV704790	5-VR731	ZW705374	20-50x		
ER430211	12-R607	ER706072	10-112	EV705150	1-VR601, 2	ZW705420	10-76x		
ER430233	4-R316	ER706105	10-144x	EV705328	3-VR901, 2	ZW705420	11-14x		
ER430233	4-R318	ER706476	10-86	EV705510	10-2	ZW705420	21-13x		
ER430233	4-R320	ER706713	10-129	EV705510	20-2	ZW705431	10-77x		
ER430233	4-R322	ER707354	20-101	EV705881	10-41	ZW705431	10-114		
ER430233	15-R316	ER707580	20-149x	EV705881	20-14	ZW705431	20-104		
ER430233	15-R318	ES488226	20-34x	EV706533	10-101	ZW705442	10-81		
ER430233	15-R320	ES703361	19-2	EV707332	20-90	ZW705442	20-61		
ER430233	15-R322	ES704755	9-S4 to 8	EZ246936	10-88x	ZW705464	10-85x		
ER430255	1-R636	ES705655	10-14	EZ315448	10-89x	ZW705688	10-17x		
ER430288	1-R608	ES705666	10-15	EZ374894	10-74	ZW705688	10-103		
ER430288	5-R223, 24	ES705767	10-25	EZ377561	20-81x	ZW705688	20-15		
ER430288	16-R223, 24	ES705767	20-26	EZ382263	10-87	ZW705688	20-92		
ER430290	1-R612	ES706083	10-142	EZ704891	10-58	ZW705780	10-29		
ER430290	5-R236	ES706094	10-143	EZ704891	20-46	ZW705791	10-116		
ER430290	16-R236	ES706094	20-151	EZ705407	20-56	ZW705802	10-32x		
ER430301	1-R611	ES707534	20-141x	EZ705497	20-74x	ZW705802	20-30x		
ER430301	12-R612	ES707714	20-150	SP702933	11-2x	ZW705813	10-33x		
ER433877	7-R407	ES707725	20-153x	SP706263	11-1	ZW705813	20-31x		
ER433877	18-R407	ES707736	20-154x	SP707613	21-1	ZW705903	10-45x		
ER440921	1-R607	ET234933	4-TR304	SP707670	21-21x	ZW706555	10-66x		
ER443790	13-R506	ET234933	4-TR351, 2	ZG706680	10-123x	ZW706577	10-44x		
ER450101	19-R703	ET234933	15-TR304	ZG706680	20-112x	ZW706577	10-79x		
ER450358	4-R308	ET234933	15-TR351, 2	ZG706724	10-132x	ZW706634	10-115		
ER450358	5-R242	ET315472	2-TR502	ZG707455	20-137x	ZW706634	20-142x		
ER450358	15-R308	ET315472	3-TR901, 2	ZW200698	20-58	ZW706645	10-117		
ER450358	16-R242	ET315472	14-TR901	ZW202127	20-82x	ZW706645	20-106x		
ER458076	12-R602	ET398788	1-TR604	ZW202140	20-76x	ZW706656	10-118		
ER464297	9-R704	ET399846	1-TR608 to 11	ZW273756	20-63x	ZW706656	20-105		
ER464297	19-R704	ET399857	2-TR501	ZW273756	20-109	ZW706667	10-119		
ER492355	5-CF201,2,3	ET399857	13-TR501	ZW273960	20-62	ZW706667	20-107		
ER492355	16-CF201, 2	ET399881	5-TR206, 7	ZW273960	20-110	ZW706678	10-122		
ER492355	16-CF203	ET399881	16-TR206, 7	ZW317970	20-132x	ZW706678	11-18x		
ER496181	1-R615, 16	ET402794	4-TR301,2,3	ZW318475	20-29x	ZW706678	20-111		
ER496181	5-R219, 20	ET402794	15-TR301,2,3	ZW344305	20-59	ZW706678	21-17x		
ER496181	10-134x	ET495415	8-TR801	ZW355511	20-143x	ZW706691	10-127x		
ER496181	20-124x	ET495483	12-TR603	ZW357658	20-70x	ZW706691	20-114x		
ER496181	20-155x	ET702516	7-TR401	ZW379350	20-60x	ZW706702	10-128x		
ER703045	16-R219, 20	ET702516	18-TR401	ZW393726	10-78	ZW706702	20-115x		
ER703124	18-R413	ET703056	15-TR305	ZW413188	10-82x	ZW706757	10-136		
ER703124	18-R419	ET703135	13-TR502	ZW413188	10-121	ZW706757	20-119x		
ER703258	12-R618	ET703168	12-TR602	ZW413245	11-15	ZW706768	10-137x		
ER703260	12-R631	ET703168	12-TR606, 7	ZW413245	21-16x	ZW706768	20-129x		
ER703271	12-R619	ET703170	12-TR604	ZW413785	10-80	ZW706770	10-91x		
ER703271	12-R620	ET703181	12-TR605	ZW417352	10-30x	ZW706858	11-12		
ER703282	12-R624	ET703530	20-68	ZW424620	10-31	ZW706858	21-11		
ER703282	12-R632	ET704002	5-TR201	ZW433348	20-69	ZW707387	20-121		
ER703293	12-R633	ET704002	5-TR203, 4	ZW472274	20-28x	ZW707782	20-108		
ER703304	12-R626	ET704002	16-TR201	ZW515586	20-64x	ZW707872	21-14		
ER703315	12-R627	ET704002	16-TR203, 4	ZW516611	10-83x				
ER703326	12-R628	ET704013	5-TR202	ZW516611	10-120				
ER703372	19-R701	ET704013	5-TR205	ZW703484	20-48x				
ER704204	5-R251	ET704013	16-TR202	ZW703552	20-72x				
ER704417	4-R323, 24	ET704013	16-TR205	ZW704193	1-2				
ER704485	6-CF401	ET704226	4-TR305	ZW704193	2-2				
ER704485	7-CF401	ET704463	6-TR401,2,3	ZW704193	3-2				
ER704485	17-CF401	ET704463	7-TR402 to 5	ZW704193	4-5				
ER704485	18-CF401	ET704463	17-TR401,2,3	ZW704193	5-3				
ER704575	6-CF401	ET704463	18-TR402,3,4,5	ZW704193	6-3				
ER704575	7-CF401	ET704722	1-TR606	ZW704193	7-3				
ER704575	17-CF401	ET705003	1-TR601, 2	ZW704193	8-2				
ER704597	2-R504	ET705003	12-TR601	ZW704193	9-2				

SECTION 4

SCHEMATIC DIAGRAM

1. AA-8080 SCHEMATIC DIAGRAM
2. AA-8080L SCHEMATIC DIAGRAM
3. AA-8030 SCHEMATIC DIAGRAM
4. AA-8030L SCHEMATIC DIAGRAM

AA-8080

EQ AMP P.C. BOARD 5015

TONE CONTROL AMP P.C. BOARD. 9015

POWER AMP P.C. BOARD. 6020

LOW CUT FILTER S4

MIC
PHONO
AUX
TAPE P.B. 1
TAPE P.B. 2
TAPE REC. 1
TAPE REC. 2
TAPE 2
TAPE 1
GROUND

TR501a 2SC871 (2SC633)
TR502a 2SC693 u or 2SC1222
TR901 2SC693 (2SC1222)
TR902 2SC693 (2SC1222)
TR601a 2SA666A (2SA640)
TR602a 2SA666A (2SA640)
TR603a 2SC802 (2SC1124)
TR604a 2SC945(R) or 2SC828
TR605a TSC8002 or 2SC1124
TR606a TSC 9002 (2SA706)
TR607a 2SC1318A (MA1500)
TR608 2SC945 Q or 2SC828
TR609 2SC945 Q or 2SC828
TR610 2SC945 Q or 2SC828
TR611 2SC945 Q or 2SC828
TR612 CDC8000
TR651a 2SC1030B (2SC1111)
TR652a 2SC1030B (2SC1111)

VR901 ; TREBLE
VR902 ; BASS

HIGH CUT FILTER S6

TAPE DUBBING

FROM POWER SUPPLY P.C. BOARD. 8015

FROM POWER SUPPLY P.C. BOARD. 8015

RELAY SW

SPEAKER SELECTOR S7

HEAD PHONE

POWER SUPPLY P.C. BOARD. 8015

PT1 35900078 (K-2270)

SELECTOR

AC IN 100V~240V 50/60HZ

FUSE F851

POWER SWITCH SW9

CR801 0.033+120/500

TR801 2SC1211 D

TO STEREO IND LAMP.
TO TONE AMP.
TO EQ AMP.
TO POWER AMP & TUNER SECTION.

AUX
AM
FM
PHONO
MIC
M2 LAMP
MI LAMP
DIAL LAMP

CUL MODEL

PT1 35900101 (K-2700)

A.C. IN 120V 60HZ

FUSE 3A

CR851 0.033+120/500

POWER

NOTE
UNLESS OTHERWISE SPECIFIED
ALL RESISTORS IN Ω 1/4W (J).
ALL CAPACITORS IN μF 50 W.V.(J)
POWER TRANSFORMER IS DIFFERENT ACCORDING to AREA.

AA-8080
SCHEMATIC DIAGRAM
NO.2-1 1460416A

2C

AA-8080

FRONT END 1015

FM IF AMP. P.C. BOARD. 2014

AM IF AMP. P.C. BOARD. 4009

FM MPX AMP. P.C. BOARD. 3008

	JAPAN	OTHERS
*1 C319	270P(K)	750P(K)
*2 C320	270P(K)	750P(K)

( ) INDICATES VOLTAGE at MONO

NOTE
UNLESS OTHERWISE SPECIFIED
ALL RESISTORS IN Ω 1/4W (J)
ALL CAPACITORS IN μF 50WV(J)

AA-8080
SCHEMATIC DIAGRAM
NO.2-2 1460417A
2C

AA-8080L

EQ AMP P.C. BOARD. 5015

TONE CONTROL AMP P.C. BOARD. 9015

POWER AMP P.C. BOARD. 6020

POWER SUPPLY P.C. BOARD. 8015

NOTE
UNLESS OTHERWISE SPECIFIED.
ALL RESISTORS IN Ω 1/4W (J).
ALL CAPACITORS IN μF 50W.V. (J)
POWER TRANSFORMER IS DIFFERENT ACCORDING to AREA.

AA-8080L
SCHEMATIC DIAGRAM
NO.2-1 1460420A
2C

AA-8080L

FRONT END 1015

FM IF AMP. P.C. BOARD. 2014

AM IF AMP. P.C. BOARD. 4013

FM MPX AMP. P.C. BOARD. 3008

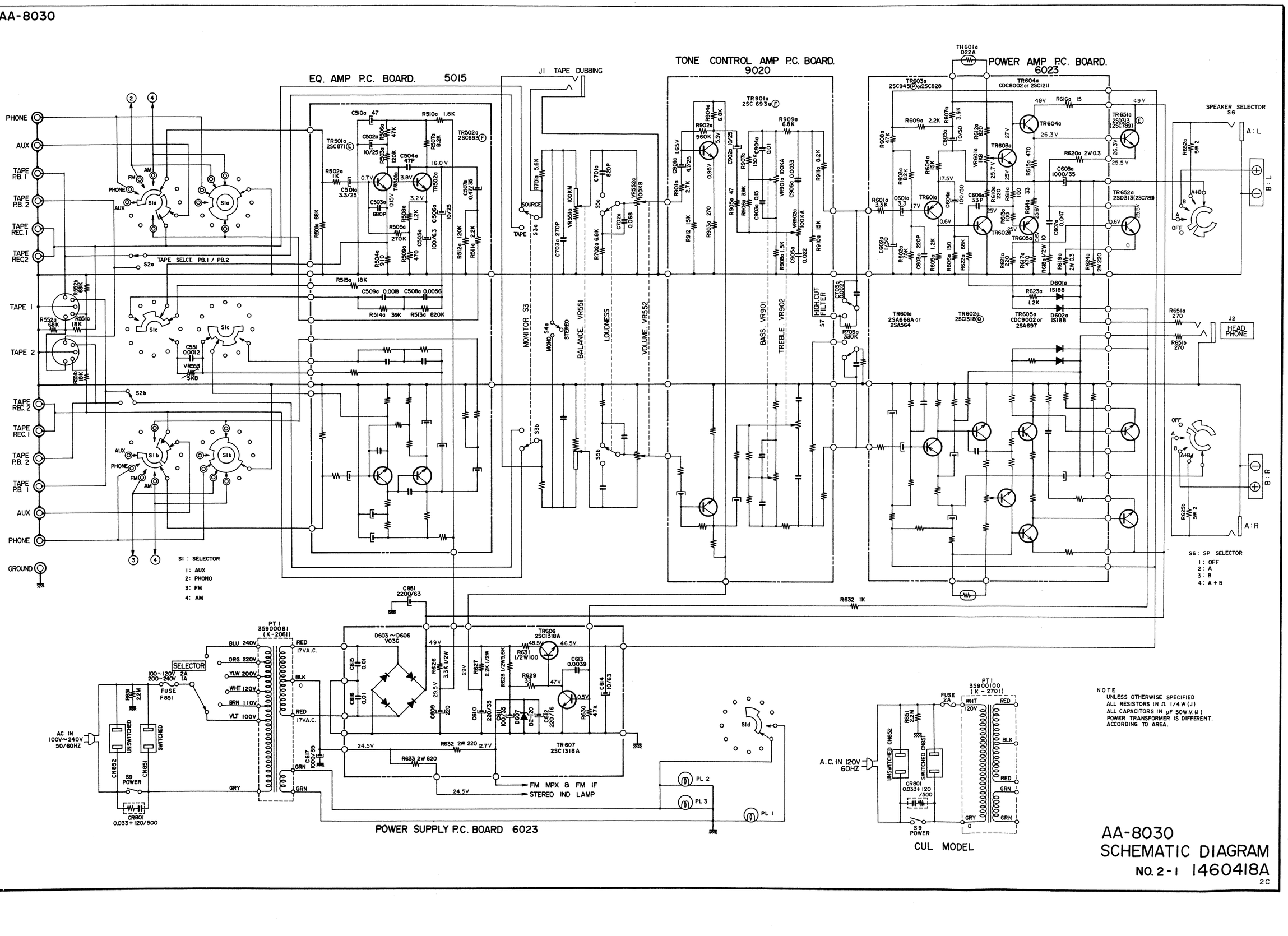
	JAPAN	OTHERS
*1 C319	270P (K)	750P(K)
*2 C320	270P (K)	750P(K)

( ) INDICATES VOLTAGE of MONO

N O T E
UNLESS OTHERWISE SPECIFIED
ALL RESISTORS IN Ω 1/4W (J)
ALL CAPACITORS IN μF 50W.V. (J)

AA-8080L
SCHEMATIC DIAGRAM
NO.2-2 1460421A
2C

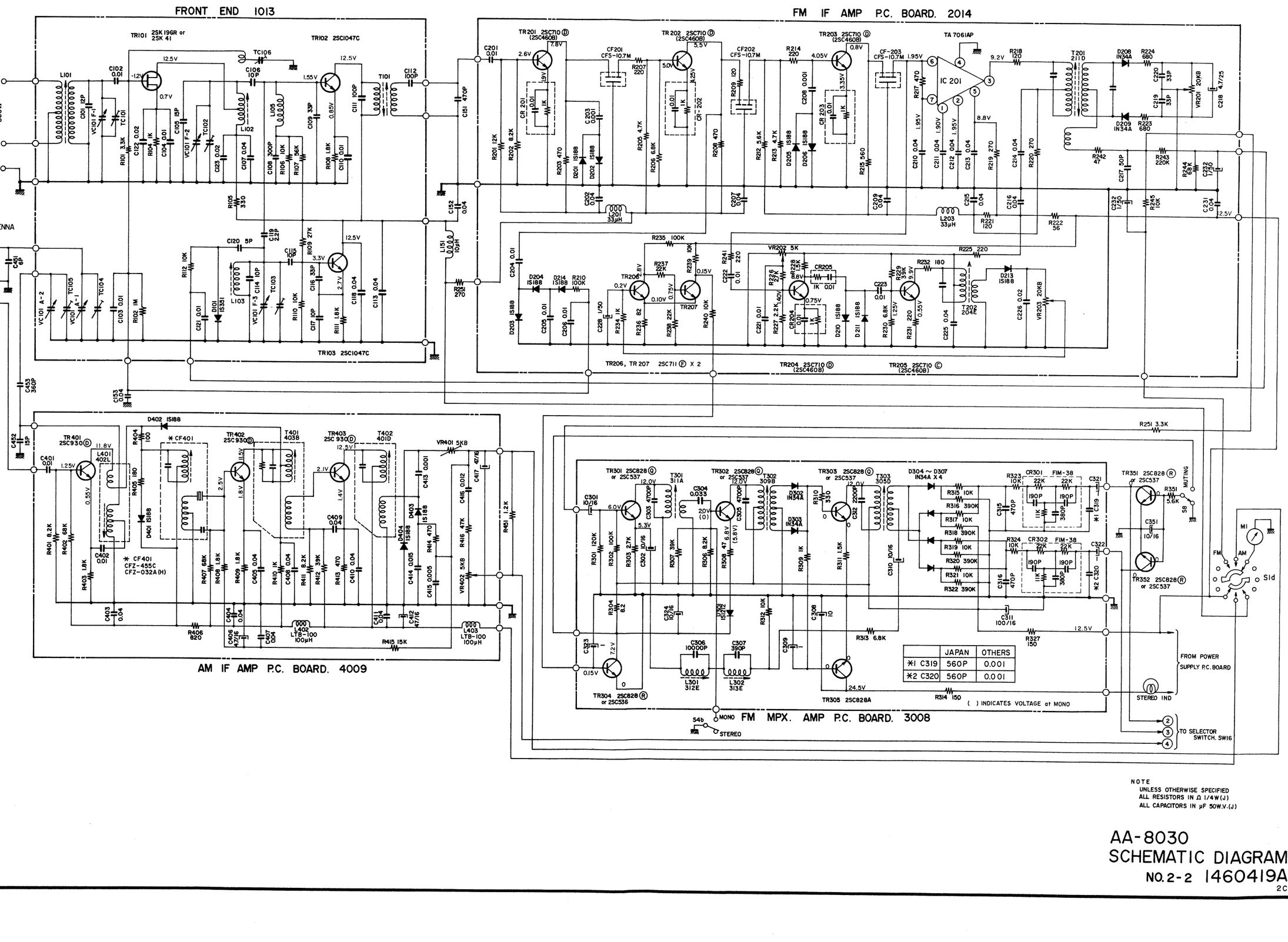
AA-8030



NOTE
UNLESS OTHERWISE SPECIFIED
ALL RESISTORS IN Ω 1/4W (J)
ALL CAPACITORS IN μF 50W.V.(J)
POWER TRANSFORMER IS DIFFERENT.
ACCORDING TO AREA.

AA-8030
SCHEMATIC DIAGRAM
NO. 2-1 1460418A
2C

AA-8030



NOTE
UNLESS OTHERWISE SPECIFIED
ALL RESISTORS IN Ω 1/4W(J)
ALL CAPACITORS IN μF 50W.V.(J)

AA-8030
SCHEMATIC DIAGRAM
NO.2-2 1460419A
2C

AA-8030L

EQ AMP P.C. BOARD 5015

TONE CONTROL AMP. P.C. BOARD 9020

POWER AMP. P.C. BOARD. 6023

PHONE
AUX
TAPE P.B. 1
TAPE P.B. 2
TAPE REC. 1
TAPE REC. 2
TAPE 1
TAPE 2
GROUND

TAPE SELECT P.B1/P.B.2

J1 TAPE DUBBING

SOURCE
TAPE
MONITOR S3
MONO S4a
STEREO
BALANCE VR551
LOUDNESS
VOLUME VR552
BASS VR901
TREBLE VR902
HIGH CUT FILTER

TH601a D22A

TR603a 2SC945(P) or 2SC828
TR604a CDC8002 or 2SC1211
TR601a 2SA666A or 2SA564
TR602a 2SC1318(Q)
TR605a CDC9002 or 2SA697

SPEAKER SELECTOR S6

OFF
A
B
A+B

A : L
B : L
A : R
B : R

J2 HEAD PHONE

S1 ; SELECTOR
1 : AUX
2 : PHONE
3 : FM
4 : AM

S6 : SP SELECTOR
1 : OFF
2 : A
3 : B
4 : A + B

PT1 3590008I (K-2061)

SELECTOR
100V ~ 120V 2A
200V ~ 240V 1A
FUSE F851

A.C. IN 100V~240V 50/60HZ

S9 POWER

CR801 0.033+120/500

BLU 240V
ORG 220V
YLW 200V
WHT 120V
BRN 110V
VLT 100V
BLK
RED
GRY
GRN

17VA.C.

D603 D606 V03C

TR606 2SC1318A
TR607 2SC1318A

D607 BZ-120

FM MPX & FM IF
STEREO IND LAMP

PL.1
PL.2
PL.3

POWER SUPPLY P.C. BOARD. 6023

NOTE
UNLESS OTHERWISE SPECIFIED
ALL RESISTORS IN Ω 1/4W (J)
ALL CAPACITORS IN μF 50W.V. (J)
POWER TRANSFORMER IS DIFFERENT ACCORDING TO AREA.

AA-8030L
SCHEMATIC DIAGRAM
NO.2-1 1460422A
2C

AA-8030L

FRONT END 1013

FM IF AMP P.C. BOARD. 2014

AM IF AMP. P.C. BOARD. 4013

FM MPX AMP. P.C. BOARD. 3008

NOTE
UNLESS OTHERWISE SPECIFIED
ALL RESISTORS IN Ω 1/4W (J)
ALL CAPACITORS IN μF 50W.V. (J)

AA-8030L
SCHEMATIC DIAGRAM
NO.2-2 1460423A
2C